UNIVERSITY OF MASSACHUSETTS BOSTON

DIVISION OF CORPORATE, CONTINUING, & DISTANCE EDUCATION

Spring 2003

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UMASS BOSTON

Academic Calendar for Spring Courses

(Note: this calendar applies only to credit courses as listed on pages 14-36 of this bulletin.)

Registration Deadlines

Registration begins	Dec 2 (M)
Waiver registration begins*	Jan 15 (W)
Early registration deadline	Jan 17 (F)
Late Registration begins**	Jan 20 (M)
UMB Financial Aid Eligibility Determiantion	Feb 3 (M)
Add/Drop deadline	Feb 22 (S)
Pass/Fail deadline	April 5 (S)
Withdrawal deadline	April 5 (S)

*Waiver registrations will only be accepted on or after this date.
**A $25 late fee will be assessed for all registrations (including waiver registrations) conducted on or after this date.

Refund Schedule***

Deadline for 100% refund	Feb 15 (S)
Deadline for 50% refund	Feb 22 (S)

***For information on refund policy and procedures, see page 3 of this bulletin. NO REFUNDS WILL BE GIVEN AFTER THE 50% REFUND DEADLINE DATE.

Registration Hours

Monday-Thursday	8:30am-6:00pm
Friday	9:00am-4:00pm
Saturday (beginning March 1)	8:00am-3:30pm
Extended Hours	
Friday, Feb 7	9:00am-7:00pm
Saturday, Feb 8, 15, 22	8:00am-5:30pm

Holidays & Vacations

Presidents' Day	Feb 17 (M)
Vacation (Braintree, Copley)	Week of Feb 17
Evacuation Day (Copley, Boston)	March 17 (M)
Spring Break (Boston Campus)	March 15-23
Spring Break (Friday/Saturday)	March 21-22
Patriots' Day	April 21 (M)
Vacation (Braintree, Copley)	Week of April 21 (M)

Start/End Dates

Note: Some courses have special start/end dates; these are noted along with the descriptions and schedule information on pages 13-36.

Boston Campus Friday/Saturday Courses

Classes begin	Feb 7 (F); Feb 8 (S)
Classes end	May 2 (F); May 3 (S)
Makeup/Snow day	May 9 (F); May 10 (S)

Boston Campus Weekday/Evening Courses

Classes begin	Week of Jan 27
Classes end	Week of May 12

Braintree Courses

Classes begin	Week of Feb 3
Classes end (Tu-Th)	May 6-8
Classes end (M)	May 12
Makeup/Snow day (Tu-Th)	May 13-15
Makeup/Snow day (M)	May 19

Copley Courses

Classes begin	Week of Feb 3
Classes end (Tu-Th)	May 6-8
Classes end (M)	May 12
Makeup/Snow day (Tu-Th)	May 13-15
Makeup/Snow day (M)	May 19

Plymouth Courses

Classes begin	Week of Feb 3
Classes end	Week of May 12
Makeup/Snow day	Week of May 19

Technical Education Courses

Classes begin	Week of Feb 3
Classes end	Week of May 12
Makeup/Snow day	Week of May 19

Online Courses

Classes begin	Feb 3 (M)
Classes end	Week of May 5

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Spring 2003 Volume 23, Number 3

The University of Massachusetts Boston Bulletin (USPS 566-090) is published quarterly by the University of Massachusetts Boston, 100 Morrissey Blvd., Boston, Massachusetts 02125-3393.

Periodicals Postage Paid at Boston, MA 02205.

Postmaster: Send address changes to: The University of Massachusetts Boston, 100 Morrissey Blvd., Boston, Massachusetts 02125-3393.

To request an alternate-format version of this bulletin, please call 617.287.7911.

Corporate, Continuing and Distance Education Office

The Division of Corporate, Continuing and Distance Education office (Wheatley Hall, 2nd floor, room 203) is open throughout the year to distribute information and resolve problems. Regular weekday hours are: Monday through Thursday, 8:30am-6:00pm; Friday, 9:00am-4:00pm. Special hours for spring 2003 are as follows: Friday, February 7, 9:00am-7:00pm; Saturday, February 8, 15, and 22, 8:00am-5:30pm. To contact CCDE, call 617.287.7900 or Email to continuing.education@umb.edu.

Contact Information

There are many people in the Division who can help you with questions about our programs, policies, and procedures. Here are some names and numbers to remember:

GENERAL INFORMATION
Reca Quarles
617.287.7900 continuing.education@umb.edu

ACADEMIC ADVISING
Ed Zaleskas
617.287.6014 edward.zaleskas@umb.edu

REGISTRATION
Registration Info Line
617.287.7914 continuing.education@umb.edu

ONLINE COURSES
Katharine Galaitsis
617.287.7925 katharine.galaitsis@umb.edu

CERTIFICATE AND DEGREE PROGRAMS
Jain Ruvidich-Higgins
617.287.7955 j.ruvidich-higgins@umb.edu
(Note: See degree and certificate program descriptions, pages 38-43, for individual program contacts.)

INFORMATION TECHNOLOGY TRAINING
Katie Brenton
617.287.7876 it@umb.edu

ENGLISH LANGUAGE STUDY
Susan Griffin
617.287.7876 susan.griffin@umb.edu

Website

Information about CCDE programs is available at the Corporate, Continuing and Distance Education website:

www.conted.umb.edu

Here you will find not only up-to-the-minute information on the courses included in this bulletin (including any schedule changes or other information not available at press time), but also information about many of our programs in more depth than space permits here. We encourage you to visit the site regularly.

Directions to UMass Boston

The University is only three miles from downtown Boston and is easily accessible by public or private transportation.

From the north or west: Take the Southeast Expressway to exit 15. Turn left onto Columbia Road. Enter the rotary and take the first right (Morrissey Boulevard). Bear right of the traffic island, following the UMass Boston sign. Proceed past the Boston Globe building. Turn left into the campus.

From the south: Take the Southeast Expressway to exit 14 (near the Boston Gas tanks). Follow Morrissey Boulevard northward to the campus.

Directions to our off-campus sites can be found on pages 10-13.

Parking

Parking is available at the University in two underground garages, designated LL (lower level) and UL (upper level), as well as in an outside lot. Operators of all vehicles except motorcycles must pay $5.00 per day to park on campus (motorcycles: $2.50 per day). Prepaid discount passes are available and may be purchased at the UMass Bookstore or at the Parking & Transportation Office. Contact the Parking Office at 617.287.5041 for more information.

Public Transportation

Free and frequent shuttlebus service is provided between the University and JFK/UMass Station on the MBTA Red Line. Buses following MBTA Routes 8 and 16 also stop at the University. For more information, call 617.287.5040.

Registration Information Line

If you have any questions about our registration process, please call 617.287.7914.

When to Register

Students can register for all spring courses starting December 2. It is advisable to register as early as possible; early registration is the best way for students to assure themselves places in the courses of their choice.

Early registration for spring courses is possible until January 17. Late registration will take place during the periods indicated in the Academic Calendar. Late registrations submitted between the first class meeting and the add/drop deadline (see Academic Calendar) require permission of the instructor. Students registering late must pay a $25 fee.

How to Register

Students may use any of the following methods to register:

TELEPHONE REGISTRATION

To register by telephone, call 617.287.7916 during the following hours: Monday through Thursday 8:30am-6:00pm and Friday 9:00am-4:00pm. Payment can be made only by credit card (MasterCard, Visa, or Discover). Please fill out the registration form on page 56 and be ready to refer to it before calling.

MAIL OR FAX REGISTRATION

To register by mail or fax, fill out the registration form on page 56. Send it with full payment to the address indicated on the form or fax it to 617.287.7922. For mail registration, payment can be made by check or credit card (MasterCard, Visa, or Discover). For fax registration, payment can be made only by credit card. Mail registrations must be postmarked by the early registration deadline (see Academic Calendar). Registrations postmarked after that date will be assessed a $25 late fee.

WALK-IN REGISTRATION

Walk-in registration takes place at the CCDE Registration Center (Wheatley Hall, second floor, room 203). Office hours are Monday through Thursday, 8:30am-6:00pm, and Friday, 9:00am-4:00pm, with additional extended hours as follows: Friday Feb. 7, 9:00am-7:00pm; Saturday Feb. 8, 15, and 22, 8:00am-5:30pm; Saturday March 1-May 3, 8:00am-3:30pm.

Payment can be made by check, credit card (MasterCard, Visa, or Discover), or cash (Note: Cash payments can only be made at the Bursar's Office, which is open until 4:30pm). For details, see "Payments" (page 4).

Note: All registrations are accepted on the basis of available space. Full payment is required before registrations are accepted.

Adding and Dropping Courses

Students may add or drop courses before the add/ drop deadline (see Academic Calendar). To add or drop a course by telephone, call 617.287.7916 during the hours indicated above under "Telephone Registration." To add or drop a course in person, by mail or by fax, use a Change of Registration Form (available from the CCDE Registration Center, Wheatley Hall, second floor, room 203). If a student wishes to register for or add a course after the first class meeting, the appropriate form (Registration Form/Change of Registration Form) must be signed by the instructor(s) of the course(s) added, and returned to the Registration Center before the add/drop deadline (no signature is required when a course is being dropped). To add an online course after the first day of classes, please visit our website for instructor contact information.

Cancellations

The Division reserves the right to cancel underenrolled courses. A student who has registered for a course that is canceled may register for another course or request a refund. The course fee will be refunded in full to any student who has paid for a canceled course and does not wish to register for another course in its place. If all courses for which the student has registered are canceled, service fees will also be refunded.

Refund Policy

A student who drops a *credit course* will be granted a refund according to the dates listed in the Academic Calendar (inside front cover). Non-attendance does not constitute dropping a course. Students dropping a course must file a Change of Registration/Refund Request Form at the CCDE Registration Center (Wheatley Hall, second floor, room 203).

Non-credit programs do not follow the Academic Calendar and have their own refund schedules; for more information, see individual program listings.

Whenever a refund is due, either because the student wishing the refund has dropped a course or because the University has canceled a course, the student must initiate the refund procedure by notifying the CCDE Registration Center either in person, by fax, mail, or telephone. The amount of a refund is computed on the basis of the date the refund request is received by the CCDE Registration Center (if the request is mailed, the refund is computed from the postmark date).

If a student has made a payment with MasterCard, VISA, or Discover, the refund must be returned as a credit to the cardholder's account. Please be sure to provide the number of the account to be credited. Unless a course has been canceled by the University, the $30 registration fee and the $25 late fee are not refundable. Lab fees are not refundable after the first lab meeting.

Refunds of credit card payments will usually be processed within four to five business days. Refunds of payments made by check or cash will take ten to fifteen business days.

Course Fees

Course fees are included with course descriptions. These fees are typically calculated on a per-credit basis, as follows:

Undergraduate	$155 per credit
Graduate	$170 per credit

In a few cases, a course fee may be calculated differently because of special costs or a subsidy. In these cases, the fee is described as a special course fee.

Lab Fees

Lab fees must be paid for certain courses, as indicated in the schedule listings. The amounts of fees appear under course descriptions. The lab fee for each course must be paid at the time of registration.

Service Fees

All service fees are mandatory except where otherwise noted. Service fees need only be paid once each semester.

Registration Fee (non-refundable*)	$30.00
Educational Service Fee	15.00
Transcript Fee (for non-matriculated students)	3.00
Late Registration Fee (when applicable—see Academic Calendar, inside front cover) (non-refundable*)	25.00
Returned Check Fee (when applicable)	25.00

**Unless a course has been canceled by the University, the $30 Registration Fee and the $25 Late Registration Fee are not refundable.*

Payments

Students must pay course and service fees in full before their registrations will be accepted. No payment will be accepted after the add/drop deadline. Students may use the following methods to make payment:

CHECK

Please make checks payable to "UMass Boston."

Payment of course and service fees with a check that is subsequently returned by our bank will result in an additional returned check fee of $25, and may also result in administrative withdrawal and referral to a collection agency, which may result in liability for the payment of a collection fee.

MASTERCARD, VISA, OR DISCOVER

The University will accept payment by MasterCard, VISA, or Discover for all CCDE course and service fees. Please fill out the appropriate section of the registration form.

CASH

Cash payments are made only at the Bursar's Office (Quinn Administration Building, second floor; M-F, 9:00am-4:30pm.) After your completed registration form has been verified at the CCDE Registration Center (Wheatley Hall, second floor, room 203), you should make a cash payment at the Bursar's Office, where you will be given a receipt. You should then return to the CCDE Registration Center and submit the receipt along with your registration form. Registration is not official until this receipt has been submitted.

PAYMENT BY OUTSIDE AGENCIES

If the student's charges are to be paid by an outside agency, a payment authorization from that agency must accompany his or her registration. Students are reminded that they are liable for course and service fees in the event that the sponsoring agency does not pay them. The Division of Corporate, Continuing and Distance Education cannot accept payment arrangements through Academic Management Services (AMS).

Course Fee Waiver Policy

The Division of Corporate, Continuing and Distance Education will accept course fee waivers for those persons meeting the eligibility requirements described below, providing the courses they wish to take are adequately supported by fees from paying students, and providing space is available.

Credit course fee waiver policies apply only at the standard rate of $155 per undergraduate credit and $170 per graduate credit. Thus, in the case of a credit course with extraordinary costs necessitating a higher than standard course fee, course fee waivers will be granted for only the amount of the standard course fee.

Waivers used for professional training and non-credit courses apply only to the instructional cost of the course or program; the materials and other costs associated with non-credit courses or programs must be paid in full. Waivers are not accepted for the Information Technology Training programs described on pages 45-48.

Registration fees, service fees, lab fees, and other mandatory fees must be paid in full, except in the case of senior citizens (see below).

Anyone eligible for course fee waivers must submit documentation when registering; waivers cannot be used retroactively.

Students using waivers must register during a special waiver registration period (see Academic Calendar, inside front cover).

Qualified veterans are eligible for course fee waivers under the following conditions:

1 They must be matriculated in a UMass Boston degree program.

2 The course for which the waiver is being used must be a credit-bearing course.

3 To determine eligibility, veterans must present DD 214 (military discharge) to the UMass Boston Veterans Affairs Office (tel. 617.287.5875).

4 They must have their registration form approved by the UMass Boston Veterans Affairs Office.

5 Veterans must have served during a period considered by the Commonwealth of Massachusetts, MGL Chapter 4, Section 7, as wartime service.

Senior citizens are eligible for a waiver of all fees (except materials fees and other exceptional course-related fees) upon submission of an acceptable document indicating that the registrant is 60 or older.

Full-time state employees are eligible for a 50% course fee waiver upon submission of a properly completed "Certificate of Eligibility" at the time of registration.

Full-time employees of public higher education, their spouses, and their dependent children are eligible for a 50% course fee waiver upon submission of a properly completed "Certificate of Eligibility" at the time of registration. This benefit also applies to full-time employees of Essex Agricultural and Technical High School.

The Division of Corporate, Continuing and Distance Education cannot honor vouchers issued to cooperating practitioners by the state-funded programs of the University of Massachusetts at Amherst, Boston, Dartmouth, Lowell, or Worcester.

This benefit is provided only to individual state employees and other eligible persons as noted above. In the case of a state department or agency cosponsoring education for its employees, the department is directly responsible to UMass Boston for the full cost of the program.

Note: Waivers may not be used for Music 185 (Private Music Lessons; see page 24) and other special courses.

Eligibility for Enrollment

UMass Boston undergraduate credit courses are open to: 1) students who may be considering matriculation into a degree program at UMass Boston or elsewhere; 2) students matriculated at other institutions who will use UMass Boston credits to meet degree requirements at their home institutions; and 3) matriculated UMass Boston students. Anyone who has graduated from high school or who has earned a high school equivalency certificate is invited to begin or continue taking courses at UMass Boston. Please see the regulations below governing academic retention standards for matriculated and non-matriculated students.

Before registering for undergraduate courses, you should know that the University assumes that students registering for these courses will accurately assess their ability to do college-level work. It is the responsibility of students to meet prerequisites for individual courses. Certain courses, as their descriptions indicate, cannot be taken without special permission. If you need such permission, you can learn what procedure to follow by calling the CCDE Registration Information line at 617.287.7914. Be sure that the appropriate initials appear in the "Faculty Initials" column on your registration form.

Before registering for graduate courses, you should know that students who have not formally been admitted into UMass Boston graduate programs may enroll in graduate courses offered through CCDE, providing they hold a bachelor's degree and meet course prerequisites. Up to six credits earned in courses taken before admission to a graduate degree or certificate program may be counted toward the requirements for that program, with the permission of the program director; however, completion of these courses does not imply admission to the program. Some courses require permission from the appropriate graduate program director(s); this is indicated in the individual course listings. If you need permission to enroll, you can learn what procedure to follow by calling the appropriate program office at one of the numbers listed below.

Applied Linguistics	617.287.5760
Applied Sociology	617.287.6252
Business Administration	617.287.7720
Computer Science	617.287.6440
Counseling	617.287.7617 or 7600
Critical and Creative Thinking	617.287.6520
Dispute Resolution	617.287.7421
English	617.287.6700
Instructional Design	617.287.5980 or 7600
Public Affairs	617.287.5543
School Psychology	617.287.7602 or 7600
Special Education	617.287.7620 or 7600
Teacher Education	617.287.7625 or 7600

SPECIFIC CAS REQUIREMENTS

The College of Arts and Sciences has recently revised the General Education portion of its graduation requirements. For complete information on these changes, we recommend that you consult the UMass Boston Spring 2003 Schedule of Courses. Information on CAS requirements is also available at www.umb.edu/academic_programs/undergraduate/cas/welcome/requirements.html.

Many courses described in this publication fulfill College of Arts and Sciences (CAS) *distribution requirements*, as indicated by a note following the course description that refers to the "Distribution Area"to which the course belongs. Although they are open to non-matriculated students, all of these courses meet specific requirements for CAS matriculated students. To be sure of taking distribution courses that will meet their degree requirements, all CAS matriculated students should, before registering, pick up advising materials concerning distribution requirements from the University Advising Center (M-3-625; 617.287.5500).

Please note that distribution requirements for students who have matriculated in or after fall 2002 are different than for those who matriculated earlier. The older and newer requirements are referred to in course listings as "Distribution I" and "Distribution II," respectively. For more information, see the University's Spring 2003 Schedule of Courses booklet.

Courses whose numbers are preceded by "G" are First-Year or Intermediate Seminars that count towards the *critical analysis requirement* of the new CAS General Education curriculum.

Materials concerning the CAS *writing proficiency requirement* are available from the Core Curriculum Office (M-4-603; 617.287.6330).

Courses that meet the CAS *diversity requirement* are identified in a note following the course description.

Diagnostic Testing

Diagnostic tests for English and mathematics courses are held in the Testing Center, McCormack Hall, 3rd floor, room 612, on the dates below. The diagnostic test in English is required only for non-native speakers.

DATE/DAY	TIME	DATE/DAY	TIME
Nov 13 (W)	5:00pm	Jan 2 (Th)	12:30pm
Nov 15 (F)	1:00pm	Jan 3 (F)	3:00pm
Nov 18 (M)	2:00pm	Jan 7 (Tu)	5:00pm
Nov 19 (Tu)	4:00pm	Jan 8 (W)	3:00pm
Nov 20 (W)	10:00am	Jan 10 (F)	3:00pm
Nov 22 (F)	1:00pm	Jan 14 (Tu)	4:00pm
Nov 25 (M)	5:00pm	Jan 16 (Th)	1:00pm
Nov 26 (Tu)	1:00pm	Jan 17 (F)	3:00pm
Dec 2 (M)	10:00am	Jan 22 (W)	4:00pm
Dec 2 (M)	3:00pm	Jan 23 (Th)	1:00pm
Dec 3 (Tu)	1:00pm	Jan 24 (F)	3:00pm
Dec 4 (W)	4:00pm	Jan 28 (Tu)	5:00pm
Dec 6 (F)	10:00am	Jan 29 (W)	3:00pm
Dec 9 (M)	12:00noon	Jan 30 (Th)	1:00pm
Dec 10 (Tu)	5:00pm	Jan 31 (F)	10:00am
Dec 12 (Th)	5:30pm	Jan 31 (F)	3:00pm
Dec 13 (F)	12:00noon	Feb 3 (M)	10:00am
Dec 17 (Tu)	1:00pm	Feb 4 (Tu)	1:00pm
Dec 19 (Th)	5:30pm	Feb 5 (W)	3:00pm

Tests are given at the hours specified above; please arrive on time. Each test takes approximately one hour to complete. Results can be obtained two hours from the time one finishes testing. A photo ID is necessary to receive results. There is no fee for testing and no appointments are necessary. Calculators, books or notes are not allowed. We do not have practice exams. For further information, please call 617.287.5522.

Auditing

The auditing of certain courses may be possible with the permission of the instructor. The auditing fee is the same as the course fee. Permission to audit a course will be granted by the instructor on a space-available basis. Instructor approval may be obtained only during the first class session. A completed audit application must accompany a student's registration form; in such cases, the late registration fee will be waived. Students may not change their registration from credit to audit or from audit to credit. Inquiries concerning the auditing of courses should be directed to the Division of Corporate, Continuing, and Distance Education Office, 617.287.7914.

Pass/Fail Option

Many courses may be taken on a pass/fail basis. It is the student's responsibility to decide whether doing so is appropriate for a particular course. When the student earns a Pass (P) grade, credits for the course count as graduation credits, but the grade has no bearing on the student's cumulative average. A Fail (F) grade affects the student's cumulative average as a regular "F" would.

The pass/fail option is limited to one course per semester and one course per summer. UMass Boston students may use the pass/fail option for a maximum of eight courses during their undergraduate careers. Graduate students may not take courses on a pass/fail basis. A course exceeding five credits cannot be taken pass/fail.

A student wishing to take a course on a pass/fail basis must fill out a pass/fail form by the deadline for that session (see Academic Calendar, inside front cover). Pass/fail forms are available at the CCDE Registration Center (Wheatley Hall, second floor, room 203). Students are advised to retain their copy of the pass/fail form.

Any student submitting two pass/fail forms in one semester will not be allowed to take either course on a pass/fail basis. A pass/fail form, once submitted, cannot be withdrawn after the pass/fail deadline (see Academic Calendar, inside front cover).

Before exercising the pass/fail option, students from other institutions should consult an advisor or check their institutional or departmental requirements concerning transfer credit.

Withdrawing from Courses

Any student withdrawing from a course after the add/drop deadline will receive a grade of "W" for that course. Withdrawal forms are available at the CCDE Registration Center at the Boston Campus (Wheatley Hall, second floor, room 203). A student withdrawing from a course does not receive a refund. Failure to submit a withdrawal form before 4:00pm on the day of the withdrawal period deadline (3:30pm if the deadline falls on a Saturday; see Academic Calendar, inside front cover) will result in a grade of "F". Non-attendance does not constitute withdrawal.

Academic Standing

MATRICULATED STUDENTS

A matriculated student who has been dismissed or suspended may not register for CCDE credit courses, and may not enroll as a non-matriculated student. For more complete information regarding retention, please refer to the "Academic Regulations" section of the UMass Boston undergraduate catalog.

NON-MATRICULATED STUDENTS

All non-matriculated students are subject to the following minimum retention standards:

Total UMass Boston credits	Minimum cumulative average
1-11	1.75
12 and above	2.00

A non-matriculated student who does not meet these retention standards shall be dismissed from the University. All appeals for reinstatement should be directed to the Faculty Council Committee on Standards and Credit. The materials required for such an appeal are 1) a typed letter of appeal stating a) the reasons leading to the academic standing; b) the student's academic goals; and 2) transcripts from other schools attended. A letter of recommendation from a UMass Boston faculty member is optional. These materials should be submitted to: Faculty Council Committee on Standards and Credit, Registrar's Office, University of Massachusetts Boston, 100 Morrissey Blvd., Boston, MA 02125-3393. The deadlines for submitting reinstatement appeals are June 1 for summer or fall registration and November 1 for spring registration.

Transfer Credit

Students from institutions other than UMass Boston (including other institutions in the University of Massachusetts system) who wish to transfer credits earned in CCDE credit courses should contact their college or university concerning specific transfer requirements.

UMass Boston credits are treated as transfer credits at UMass Amherst. Students must earn a grade of "C-" or better to transfer the course. Letter grades earned at UMass Boston will not be used in grade point average calculations and the credit will not be counted as residence credit.

Most institutions require a student to obtain authorization in advance for each CCDE credit course in which the student wishes to enroll for transfer credit.

Transcripts

All students who wish transcripts sent to other schools must complete transcript request forms in the Registrar's Office (1st floor, Quinn Administration Building) or call 617.287.6224.

ID Cards

ID cards may be obtained through the Student Life Office (Wheatley Hall, 4th floor, room 178), Monday through Friday, 9:30am-6:00pm. The office will be open Monday through Thursday 9:30am-7:00pm during February, and Saturdays, February 8 and 15, 10:00am-4:00pm.

The charge is $5 (cash or money order; no personal checks). Students must present a valid driver's license, passport, or other official form of photo identification when requesting ID cards. Those students who do not possess a valid form of photo identification can call the ID office at 617.287.7957 to get a list of acceptable alternate forms of identification.

Note: Students taking off-campus and weekend courses receive a special ID card. This card permits the holder to use the facilities of the Healey Library, but it does not provide access to the University's athletic facilities, health services, or fee-supported student activities.

Public Safety

The UMass Boston Public Safety Department is charged with the responsibility of helping to provide a safe and secure environment in which faculty, students, and staff will be able to teach, learn, and work. The Department's Administrative Office and Communications Center are located on the Plaza Level of the Quinn Administration Building. The main number for the Public Safety Office is 617.287.7799. Routine service requests for police and security services can be made on 617.287.7799, 7.7780, and 7.7781. For all emergencies on campus, dial 911.

Emergency Cancellations of Classes

When classes and activities held at the Boston Campus are canceled because of snow or other emergencies, the University will announce cancellations beginning at 6:00am. The University main telephone line, 287-5000, will carry a taped announcement when the University is closed or opening late. The bulletin board at UMass Boston's web site (www.umb.edu) will contain weather announcements. Radio stations WUMB-FM (91.9), WBZ-AM (1030), and WRKO-AM (680), and television stations WBZ-TV (Channel 4), WCVB-TV (Channel 5), and WHDH-TV (Channel 7) will also carry cancellation announcements 6:00-7:00am, Monday through Saturday. Decisions about cancellations at off-campus sites are made by the local facility, not by the University. Students taking classes at off-campus sites should listen for radio announcements concerning the closing of those locations.

Bookstore

Books for all credit courses offered on or off campus may be purchased at the UMass Boston bookstore, located in the Robert H. Quinn Administration Building. The bookstore is open Monday, 8:30am-7:00pm; Tuesday, Wednesday and Thursday, 8:30am-6:00pm; Friday, 8:30am-5:00pm. Hours will be extended to 8:30am-8:30pm, February 3-6 (M-Th); 8:30am-7:00pm, February 7 (F); and 9:00am-4:00pm, Saturdays, February 8, 15, and 22. For more information, call 617.287.5090. Books may also be purchased online at www.efollett.com

Library

The Joseph P. Healey Library contains approximately 500,000 volumes and currently subscribes to more than 3,700 popular and scholarly periodicals. The library is centrally located on the Boston Campus plaza, easily accessible from the catwalk that connects all buildings on campus.

The Healey Library's regular hours are as follows: Monday through Thursday, 8:00am-11:00pm; Friday, 8:00am-7:00pm; Saturday 9:00am-5:00pm; Sunday, 1:00-8:00pm. These hours may vary during holidays, intersessions, and vacations; for current hours, please call 617.287.5903. For further library information, call 617.287.5902.

Academic Advising and Career Counseling

University Advising Center McCormack Hall, third floor, room 625, 617.287.5500. M-F. Walk-in services available M-Th 9:00am-5:00pm, F 9:00am-3:00pm.

Academic advising is also available during the day or evening, by appointment, at the CCDE office. For more information, call Ed Zaleskas at 617.287.7900 or Email edward.zaleskas@umb.edu.

Cafeteria

Food service is available to Saturday students at the Wits' End Cafe as well as lunch service at the Wheatley Cafeteria (both third floor, Wheatley Hall).

Ross Center for Disability Services

McCormack Hall, first floor, room 401, 617.287.7430; MF 8:30am-5:00pm; Tu-Th 8:30am-7:00pm; other hours by arrangement.

The Lillian Semper Ross Center for Disability Services provides a full range of support services including: note taking, reading on tape, interpreting for students who are deaf, administering exams with accommodation to disability, counseling, and more. All students with disabilities and the entire University community are welcome to visit and inquire about our many services and resources.

Veterans Affairs Office

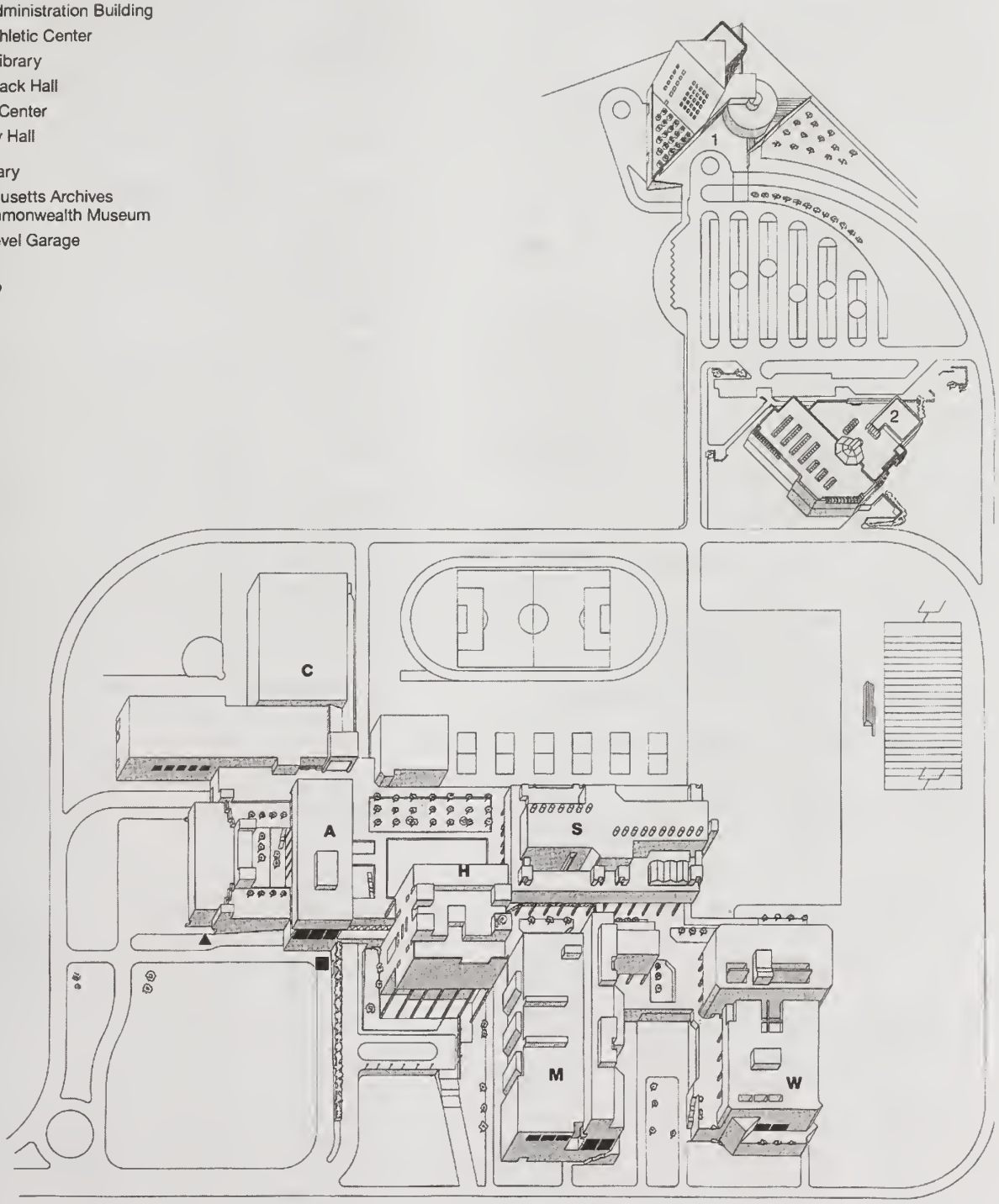
Quinn Administration Building, Office of the Registrar, room 20, 617.287.5875; M-F 8:30am-5:00pm

The Veterans Affairs Office assists all veterans in obtaining their educational benefits, and helps them to resolve related problems.

Legend

A Quinn Administration Building
C Clark Athletic Center
H Healey Library
M McCormack Hall
S Science Center
W Wheatley Hall

1 JFK Library
2 Massachusetts Archives and Commonwealth Museum
■ Lower Level Garage Entrance
▲ Bus Stop



Andover

Great Lawrence Regional Vocational High School
S7 River Road

DIRECTIONS:
Interstate 93 to Exit 4S, left onto River Rd.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
OCC ED 209	Teaching Methods: Instructional Strategies in Vocational Technical Education	31

Boston Campus

100 Morrissey Boulevard

DIRECTIONS:
From the north or west: Take the Southeast Expressway to exit 1S. Turn left onto Columbia Road. Enter the rotary and take the first right (Morrissey Boulevard). Bear right of the traffic island, following the UMass Boston sign. Proceed past the Boston Globe building. Turn left into the campus.

From the south: Take the Southeast Expressway to exit 14 (near the Boston Gas tanks). Follow Morrissey Boulevard northward to the campus.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
AFRSTY 101	Introduction to Black Studies	14
AMST 206	The Sixties	1S
AMST 21S	America on Film	1S
ANTH 10S	Introduction to Biological Anthropology	1S
ANTH 271	Peoples and Cultures of the Middle East	1S
ANTH 367	Social and Cultural Perspectives on Witchcraft and Sorcery	1S
ART 100	The Language of Art	1S
ART 101	Ancient and Medieval Art	16
ART 281	Drawing I	16
BIOL 108	Introduction to Nutrition	16
CMTCTR 300/ CMTCOM 306	Using Technology	17
CMTCTR 400/ CMTCOM 406	Developing Media and Technology Strategy	17
CRMJUS L321	Race and Ethnic Relations	18
CRMJUS L3S1	Methods of Sociological Research	18
CRMJUS L368	Alcoholism: Etiology and Epidemiology	18
E&GSCI 101	The Global Environment	18
E&GSCI 380	Introduction to Geographic Information Systems	18
E&GSCI 480A	Visual Basic and GIS System Design	18
ECON 101	Introduction to Microeconomics	19
ECON 102	Introduction to Macroeconomics	19
ECON 331	Money and Financial Institutions	19
ENGL 101	Freshman English I	19
ENGL 102	Freshman English II	19
ENGL Z106	Oral Communication	19
ENGL 201	Five Major British Writers	20
ENGL 324	Short Story	20
FRENCH 102	Elementary French II	21
FRENCH 202	Intermediate French II	21
HIST 112	Modern Western Civilization	21
HIST 114	Modern World History II	21
HIST 389	History of Modern Terrorism	21
LAT AM 205	Analyzing Latin American Culture and Society through Film	22
LAT AM L37S	Brazilian Civilization	22
LING 1S2	Elementary American Sign Language II	22
MATH 11S	College Algebra	23
MATH 12S	Introductory Statistics	24
MATH 130	Precalculus	24
MATH 134	Managerial Algebra and Calculus	24
MGT 130	Introduction to Business	23
MUSIC 111	An Introduction to Music	24
MUSIC 18S	Private Music Lessons	24
PHIL 100	Introduction to Philosophy	2S
PHIL 108	Moral and Social Problems	2S
PHIL 222	Moral Issues in Medicine	2S
POLSCI 101	An Introduction to Politics and Political Science	25
POLSCI 202	Comparative Politics of Transitional Societies	26
PORT L37S	Brazilian Civilization	26
PSYCH 200	Personality	27
PSYCH 230	Social Psychology	27
PSYCH 234	Psychology of Cross-Cultural Relations	27
PSYCH 236	The Psychology of Women	27
PSYCH 2S0	Learning and Memory	27
PSYCH 333	Group Dynamics	28
PSYCH 341	The Family and the Child: A Psychological View	28
RELSTY 104	Socrates, Jesus, Buddha	28
SOCIOL 101	Introduction to Sociology	28
SOCIOL 261	Social Deviance and Control	28
SOCIOL 281	Society and the Individual	29
SOCIOL 316	Family Violence	29
SOCIOL L321	Race and Ethnic Relations	29
SOCIOL 341	Elements of Sociological Theory	29
SOCIOL L3S1	Methods of Sociological Research	29
SOCIOL 362	Juvenile Delinquency	29
SOCIOL L368	Alcoholism: Etiology and Epidemiology	29
SPAN 101	Elementary Spanish I	29
SPAN 102	Elementary Spanish II	30
THRART 236	Introduction to Acting I	32
WOST 150	Women, Culture and Identity	32
WOST 180A	Women, Work, and Stress	32
WOST 180B	Women and Addiction	32

GRADUATE CREDIT COURSES

Course #	Title	Page
INSDSG 601	Introduction to Instructional Design	34
INSDSG 602	The Adult as Learner	34
INSDSG 604	Communication Theory for Organizations	34
INSDSG 614	Writing for the Business Professional	34
INSDSG 617	Advanced Computer-Based Training	34
INSDSG 618	Assessment in the Instructional Design Process	35
INSDSG 620	Interpersonal Skills and Group Dynamics	35
INSDSG 650	Assessment of Educational Technologies	35
SOCIOL 618	Psychiatric Epidemiology and Forensic Services	34
SPAN 516	Cities of Light and Shadow: Urban Experiences in Latin America	36

PROFESSIONAL CERTIFICATE PROGRAMS *(see pages 42-43)*

Alcoholism/Chemical Dependency Treatment Services

Continuous Improvement/Lean Manufacturing

INFORMATION TECHNOLOGY TRAINING *(see pages 44-48)*

A+

Network+

Microsoft Certified Systems Administrator (MCSA) with A+ and Network+

Web Programming: Building Internet Applications

Flash MX Advanced ActionScript and UI Design

Flash Communication Server.

GRADUATE TEST PREPARATION *(see page 49)*

ENGLISH LANGUAGE STUDY *(see pages 50-51)*

ESL: The Intensive Course

University Preparation

ESL: Business English Option

Evening ESL Classes

Professional Communication for Non-Native Speakers

Winter ESL in Boston

REGIONAL PARTNERSHIPS *(see pages 52-53)*

University of Rhode Island Library and Information Studies Courses

Braintree

Braintree High School, 128 Town Road

DIRECTIONS:

Interstate 93 to Exit 6 (Route 37), merge onto Granite St., left on Town Road.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
AF 210	Financial Accounting	14
BIOL 108	Introduction to Nutrition	16
BIOL 111	General Biology I	16
CHEM 108	Introduction to Chemistry II	16
HIST 166	American History II	21
PHIL 108	Moral and Social Problems	25
PSYCH 242	Adolescence	27
SOCIOL 101	Introduction to Sociology	28
SPAN 101	Elementary Spanish I	29

Copley Square

Muriel S. Snowden International School, 150 Newbury Street

DIRECTIONS:

At corner of Newbury and Dartmouth Streets, Back Bay, Boston. MBTA: Take Green Line to Copley station, one block north on Dartmouth Street to Newbury Street.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
AF 201	Personal Finance	14
AF 210	Financial Accounting	14
AF 211	Managerial Accounting	14
AFRSTY 108	Black Social Movements	14
AMST 101	Popular Culture in America	14
ANTH 106	Introduction to Cultural Anthropology	15
BIOL 101	The Basis of Life	16
BIOL 108	Introduction to Nutrition	16
CRMJUS L262	Criminology	18
CS-IT Z110	Visual Basic	22
E&GSCI 225	Weather and Climate	18
ECON 101	Introduction to Microeconomics	19
ECON 102	Introduction to Macroeconomics	19
ENGL 101	Freshman English I	19
ENGL 102	Freshman English II	19
ENGL 206	Six American Authors	20
ENGL 210	Introduction to Creative Writing	20
HIST 111	Foundations of Western Civilization	21
HIST 165	American History I	21
HIST 339	Modern Irish History from 1800 to the Present	21
MATH 115	College Algebra	23
MATH 125	Introductory Statistics	24

Course #	Title	Page
MSIS 110	Introduction to Computers and Information Services	23
MSIS 123	Introduction to Systems Security	23
PHIL 100	Introduction to Philosophy	25
PHIL 108	Moral and Social Problems	25
POLSCI 102	Government and Politics of the United States	26
POLSCI 220	International Relations	26
PSYCH 100	Introductory Psychology	26
PSYCH 102	Introduction to Behavioral Research	26
PSYCH 215	Abnormal Psychology	27
PSYCH 241	Infancy and Childhood Development	27
PSYCH Z270	Statistics	28
PSYCH 315	Psychological Trauma: Individual and Society	28
SOCIOL 101	Introduction to Sociology	28
SOCIOL 201	Youth and Society	28
SOCIOL L262	Criminology	29
SOCIOL 367	Drugs and Society	29
SPAN 101	Elementary Spanish I	29
SPAN 102	Elementary Spanish II	30

Online Courses

For information about UMass Boston's online courses and programs, see page 37.

ONLINE COURSE

Online courses are marked in the following pages with the symbol at left.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
AF 201	Personal Finance	14
AMST 101	Popular Culture in America	14
CHEM 471	Introduction to Green Chemistry	16
CMTCTR 300/ CMTCOM 306	Using Technology: Multimedia	17
CMTCTR 400/ CMTCOM 400	Developing Media and Technology Strategy	17
COMSTU 200	Introduction to Communication	17
COMSTU 210	Using Internet Communication	17
COMSTU 48SA	Teamwork in Virtual Space	17
CS 444	Introduction to Operating Systems	18
CS-IT Z244	Introduction to Linux/Unix	22
ECON 101	Introduction to Microeconomics	19
ENGL 23S	Black Literature in America	20
ENGL 306	Advanced Composition: Technical Writing	20
ENVSTY 101	The Nature of Environmental Problems	20
MGT 130	Introduction to Business	23
MSIS 111	Managerial Statistics	23
MSIS 121	Introduction to E-Business	23
MSIS 123	Introduction to Systems Security	23
MUSIC 248	Universe of Music	25
OCC ED 209	Teaching Methods: Instructional Strategies in Vocational Technical Education	31
OCC ED 211	Fundamentals of the Vocational Education Environment	31
OCC ED 212	Management of the Vocational Education Environment	31
OCC ED 216	Computerized Vocational Technical Curriculum Management	31
POLSCI 102	Government and Politics of the United States	26
POLSCI 220	International Relations	26
POLSCI 459	Karl Marx's Marxism	26
PSYCH 100	Introductory Psychology	26
PSYCH 230	Social Psychology	27
SPAN 411	History of the Spanish Language	30

GRADUATE CREDIT COURSES

Course #	Title	Page
APLING 601	Linguistics	33
BIOL 666	Mammalian Toxicology	33
CSDEDU 550	Assessment Strategies and Practice	33
CSDEDU S60	Practice into Theory: High Standards for All Learners	33
INSDSG 601	Introduction to Instructional Design	34
INSDSG 616	Production of Computer-Based Training	35
INSDSG 640	Planning and Design of Educational Multimedia Programs	35
PAF G 601	The New England Political Environment	36
PAF G 631	Theories and Concepts of International Relations	36
PAF G 632	Contemporary Issues in World Politics	
PRFDVL SV06	Web Design for Educators	36
SPAN S03	Perspectives on the Spanish-Speaking Language Classroom	36

Plymouth

Cordage Park Professional Development Center
36 Cordage Park Circle, Suite #201
Directions:
Rte. 3 to Exit 9 (Kingston/N. Plymouth), left onto Main St. (Rte. 3A), Main St. becomes Court St., follow to Cordage Park.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
AF 201	Personal Finance	14
AF 210	Financial Accounting	14
CS-IT Z242	LAN/WAN Technologies	22
ENGL 101	Freshman English I	19
MGT 130	Introduction to Business	23
MSIS 110	Introduction to Computers and Information Services	23
OCC ED 206	Supervised Internship	30
OCC ED 207	Competency-Based Vocational Educational Curriculum Development	30
OCC ED 210	Teaching Methods: Educating the Vocational Technical Learner	31
OCC ED 213	Brain Compatibility: Teaching and Learning	31
OCC ED 214	Integrated Education	31
OCC ED 215	Students with Special Needs in Vocational Technical Education	31
OCC ED 217	Assessment and Standards in Evaluation	32
PSYCH 100	Introductory Psychology	26
SOCIOL 101	Introduction to Sociology	28
SPAN 106	Basic Spanish for Communication II	30

GRADUATE CREDIT COURSES

Course #	Title	Page
CSDEDU 530	Curriculum Frameworks for All Learners (Learning Styles)	33
CSDEDU 540	Curriculum Frameworks for All Learners (Mathematics, Science & Technology, History & Social Sciences)	33
EDC G 610	Computers, Technology, and Education	34
EDC G 612	Evaluation and Design of Educational Software	34
INSDSG 616	Production of Computer-Based Training	35
SPAN 516	Cities of Light and Shadow: Urban Experiences in Latin America	36

PROFESSIONAL CERTIFICATE PROGRAMS *(see pages 42-43)*

Alcoholism/Chemical Dependency Treatment Services
Office Technology
Financial Operations for Small and Mid-Sized Businesses
Human Resource Management

INFORMATION TECHNOLOGY TRAINING *(see pages 44-48)*

A+
Microsoft Certified Systems Administrator (MCSA) with A+ and Network+
Web Design
Introduction to Macromedia Flash MX
Flash MX ActionScripting
Introduction to Java and Computer Science

Wakefield

Northeast Metropolitan Regional Vocational High School
100 Hemlock Road

DIRECTIONS:

Rte 1 north to Main St. (Melrose/Stoneham) exit, merge onto Main St., Main St. becomes Farm St., right onto Hemlock Rd.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
OCC ED 206	Supervised Internship	30
OCC ED 208	Implementing a Competency-Based Curriculum	30
OCC ED 210	Teaching Methods: Educating the Vocational Technical Learner	31
OCC ED 213	Brain Compatibility: Teaching and Learning	31
OCC ED 214	Integrated Education	31
OCC ED 215	Students with Special Needs in Vocational Technical Education	31
OCC ED 217	Assessment and Standards in Evaluation	32

Westborough

I-495 Center for Professional Education, 100 North Drive

DIRECTIONS:

Interstate 495 to Exit 23B (Route 9 West), 3.3 miles to Rt. 135. Right onto 135 west, Mass. Technology Park Corp. entrance on right, North Drive.

PROFESSIONAL CERTIFICATES *(see pages 42-43)*

Alcoholism/Chemical Dependency Treatment Services Program
Continuous Improvement/Lean Manufacturing

Worcester

Manufacturing Assistance Center, 60 Prescott Street

DIRECTIONS:

Route 9 W to route 70 N (Lincoln St.), left onto Concord St., right onto Prescott St.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
OCC ED 207	Competency-Based Vocational Educational Curriculum Development	30

IF YOU HAVE QUESTIONS...
...about your eligibility to enroll in CCDE courses, or about College of Arts and Sciences (CAS) distribution and diversity requirements, turn to page 6, "Academic Information."

UNDERGRADUATE COURSES

Accounting & Finance

PERSONAL FINANCE **AF 201**

Introduces students to planning and managing personal and family finances. Topics include financial planning and budgeting, banking and borrowing, making major purchases like a home or car, insuring against risk, investing, and tax, retirement and estate planning. This course cannot be counted toward the finance or accounting concentrations of the College of Management.
3 Credits, Course fee: $465

COPLEY
Tu 6:00-9:00pm
Sched No 200014

PLYMOUTH
W 6:45-9:15pm
Sched No 200028

ONLINE
Special course fee: $650
Sched No 200021

FINANCIAL ACCOUNTING **AF 210**

Presents the theory and techniques of financial accounting. The course encompasses the basic functions of collecting, processing, and reporting accounting information for interested third parties (e.g., owners, investors, and government) and enables students to analyze, interpret, and use accounting information effectively.
Prerequisite: 30 credits.
3 Credits, Course fee: $465

BRAINTREE
W 6:30-9:30pm
Sched No 200042

COPLEY
Th 6:00-9:00pm
Sched No 200049

PLYMOUTH
M 6:45-9:15pm
Sched No 279443

MANAGERIAL ACCOUNTING **AF 211**

Presents the theory and technique of managerial accounting, from the particular perspective of the manager. The course covers the identification and analysis of the behavior of costs within the organization, and illustrates how managers use such knowledge for planning and control. Major topics include responsibility accounting, comprehensive and cash budgeting, and standard job order and process cost systems.
Prerequisite: AF 210.
3 Credits, Course fee: $465

COPLEY
M 6:00-9:00pm
Sched No 200063

Africana Studies

INTRODUCTION TO BLACK STUDIES **AFRSTY 101**

This course presents an overview of the experience of the black person in the United States. It seeks to explore the black American experience in a way that is orderly, systematic, and structurally integrated; and to convey an understanding of the cultural, historical, and political roots of this experience. The course focuses chronologically on major episodes through a study of some key institutions, movements, and individuals who have contributed to the history of blacks in America.
Distribution I Area: Historical and Cultural Studies.
Diversity Area: International.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-010
Sched No 200350

BLACK SOCIAL MOVEMENTS **AFRSTY 108**

Concepts of social movements as well as the appearance of social movements among black Americans in the nineteenth century. Examination of twentieth century black social movements, especially Marcus Garvey's movement, the Nation of Islam, the Civil Rights movement, and the Black Power movement.
Prerequisite: A course in sociology, political science, or African-American history.
Distribution I Area: Historical and Cultural Studies.
Diversity Area: United States.
3 Credits, Course fee: $465

COPLEY
Tu 6:00-9:00pm
Sched No 200364

American Studies

POPULAR CULTURE IN AMERICA **AMST 101**

This course introduces students to the varieties of popular culture in America, including popular literature, live entertainment, radio, movies, and television. In-depth case studies of such particular forms of popular culture as humor and music are included. In class viewing and listening accompany case studies.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

COPLEY
M 6:00-9:00pm
Sched No 200091

ONLINE
Special course fee: $650
Sched No 279450

THE SIXTIES **AMST 206**

The course focuses on protest and the role of youth. Who protested and why? Was the phenomenon of the sixties an aberration or part of a larger radical tradition in America? What was the impact on the seventies? Readings are drawn from the works of participants in the student, black, feminist, and peace protest movements, from the intellectuals who defended and attacked them, and from the growing body of retrospective, analytic, and historical literature which attempts to explain what really happened in that tumultuous decade.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-010
Sched No 200119

AMERICA ON FILM **AMST 215**

This course focuses on the flowering of American cinema through decades of social, political, and cultural change. It examines both classic representations of "The American Experience" and films which challenge such classic representations. The relations between film and other arts, and between film, history, and ideology, are an ongoing concern.
Distribution I Area: The Arts.
Distribution II Area: Humanities.
Diversity Area: United States.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 2:30-5:30pm, W-1-045
Sched No 200133

Anthropology

INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY **ANTH 105**

The study of the biological heritage of humans. Topics include primate classification, primate and human evolution, evolutionary theory and the genetic basis of evolutionary change, and human biological variation.
Distribution I Area: Natural Sciences.
Distribution II Area: Natural Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-019
Sched No 279464

INTRODUCTION TO CULTURAL ANTHROPOLOGY **ANTH 106**

The study of recent and contemporary human societies in cross-cultural perspective. Through the use of ethnographic accounts, the course analyzes and compares variations in processes of cultural change, and in cultural adaptations.
Note: Anth 102 is not a prerequisite to Anth 103.
Distribution I Area: Social and Behavioral Sciences.
Distribution II Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
Th 6:00-9:00pm
Sched No 279478

PEOPLES AND CULTURES OF THE MIDDLE EAST **ANTH 271**

An examination of historical and sociopolitical forces in the formation of the contemporary Middle East; the cultural, ethnic, and economic diversity of modern nation-states in this region; neo-colonialism and imperialism as persisting obstacles to development and progress in this part of the world; and the role of Islam in reformist and revolutionary movements.
Distribution I Area: Historical and Cultural Studies.
Diversity Area: International.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 3:15-6:15pm, W-1-019
Sched No 200217

SOCIAL AND CULTURAL PERSPECTIVES ON WITCHCRAFT AND SORCERY **ANTH 367**

Beliefs about people with extraordinary powers to cause harm or good are found in societies of different types and in different periods in history. This course examines such beliefs in a number of different cultural, geographical, and historical contexts in order to demonstrate ways in which anthropologists and other social scientists approach the more general problem of understanding the function of belief systems in human society. The course does not teach techniques of witchcraft or sorcery.
Prerequisites: Anth C100, or 103, and junior standing, or permission of instructor.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 6:00-9:00pm, W-1-029
Sched No 282019

Art

THE LANGUAGE OF ART **ART 100**

The course teaches students to begin to understand the processes of artistic creation. It enables the student to grasp the expressive content of works of art in a wide variety of media and to analyze how the artist creates his/her effect. It is not an historical survey. Through lectures, discussions, field trips, and museum visits, the student studies paintings, sculptures, and buildings; examples are chosen as often as possible from the Boston area. The course addresses such concepts as hierarchies, elements of composition, rhythm, symmetry, space, and the possibilities of differing interpretations of subject matter. It offers a solid introduction to the arts by developing the student's ability to see and analyze forms as the result of aesthetic and interpretive decisions.
Distribution I Area: The Arts.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, M-3-430
Sched No 200231

ANCIENT AND MEDIEVAL ART **ART 101**

The course offers an historical survey of art and architecture of the ancient world, giving particular emphasis to Egyptian, Greek and Roman cultures. Students are also introduced to the arts in Medieval Europe, with a special focus on the Romanesque and Gothic styles.
Distribution I Area: The Arts.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 12:00-3:00pm, M-3-430
Sched No 200245

DRAWING I **ART 281**

Basic materials and techniques, with emphasis on drawing as a primary means for the description and interpretation of people and their environment. Problems in still life, landscape, and life drawing.
Distribution I Area: The Arts.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 12:00-4:30pm, H-8-016
Sched No 200259

Biology

THE BASIS OF LIFE **BIOL 101**

The uniqueness of life within the physical universe. The matter and energy of life, the genetic code, molecular biology, and the origin and evolution of life. An overview for students in the humanities and social sciences of those features which distinguish living organisms from non-living things. No background in the natural sciences is required.
Distribution I Area: Natural Sciences.
3 Credits, Course fee: $465

COPLEY
W 6:00-9:00pm
Sched No 200273

INTRODUCTION TO NUTRITION **BIOL 108**

Introduction to the elements of nutrition with emphasis on nutrition for humans; examination of food stuffs and nutritional quality, physiology of food utilization, food quality regulations, and the global ecology of food production. No background in the natural sciences is required.
Distribution I Area: Natural Sciences.
3 Credits, Course fee: $465

BRAINTREE
Th 6:30-9:30pm
Sched No 200294

COPLEY
Tu 6:00-9:00pm
Sched No 200301

BOSTON CAMPUS
S 3:15-6:15pm, W-1-009
Sched No 200308

GENERAL BIOLOGY I **BIOL 111**

An integrated course stressing the principles of biology. Life processes are examined primarily at the molecular and cellular levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Distribution I Area: Natural Sciences.
4 Credits, Course fee: $620, Lab fee: $75

BRAINTREE
MW 6:30-9:30pm
Sched No 200322

BIOLOGY OF FISHES **BIOL 330**

The evolution, ecology, genetics, taxonomy, and structure of fish. Biological problems of general interest are emphasized, such as breeding systems, genetics of sex determination, evolution by means of chromosome duplication, environmental physiology, and migration.
Prerequisites: Biol 210 and 252 or permission of instructor.
3 Credits, Course fee: $465
Note: This course is offered through the Marine Studies Consortium (for more information, see page 52).

NEW ENGLAND AQUARIUM
Tu 6:00-9:00pm, Jan 21-April 22
Please register through the Marine Studies Consortium
(see page 52)

Chemistry

INTRODUCTION TO CHEMISTRY II **CHEM 108**

A brief survey of organic and biological chemistry. Topics include structure, nomenclature, and the nature of organic compounds. Emphasis is on preparation for biological applications. Carbohydrates, lipids, proteins, and nucleic acids are introduced. The structures and metabolism of important biochemical molecules are considered. This course is intended for students of nursing.
Prerequisite: Chem 107.
Distribution I Area: Natural Sciences.
4 Credits, Course fee: $620, Lab fee: $65

BRAINTREE
TuTh 6:00-9:30pm
Sched No 200399

INTRODUCTION TO GREEN CHEMISTRY **CHEM 471**

Green Chemistry is the philosophy of designing the construction of materials in a manner that has minimal impact on human health and the environment. This class will introduce the principles of Green Chemistry and provide tools necessary to be able to evaluate synthetic procedures. Examples from industry, including alternative solvents, reaction conditions, feedstocks and products will be discussed as well as emerging trends in bioinspiration, catalysis and crystal engineering.
3 Credits, Special course fee: $650

ONLINE
Sched No 281417

Communication Studies

INTRODUCTION TO COMMUNICATION **COMSTU 200**

This course is designed to provide an introductory survey of the study of communication. The course begins with a general history of the evolution of human communication, and goes on to examine such areas as definitions, models, and basic concepts in communication; the range of verbal and non-verbal codes, and their complex interrelations in the message systems of modern electronic media; and various communication contexts, with emphasis on the structure and function of interpersonal communication and mass communication, particularly broadcast and cable television.
Prerequisite: Sophomore standing.
Distribution I Area: The Arts.
3 Credits, Special course fee: $650

ONLINE
Sched No 200413

USING INTERNET COMMUNICATION **COMSTU 210**

The major purpose of this course is to enhance the students' abilities to communicate effectively using information technologies, especially the technologies of telecommunication. Students will review basic principles about effective communication generically, and will participate in the translation of these principles into working guidelines for electronic communications in interpersonal, small group, and public presentational settings. They will apply these guidelines in technological modes befitting these respective settings, including e-mail, document sharing, discussion forums and chats presentation software, audio and streaming video, and possibly group decision support systems (GDSS). A few basic web-design principles will be presented and students will create individual web pages or sites, but the major focus will be on communication inside organizations for problem solving rather than on public relations.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Special course fee: $650

ONLINE
Sched No 281431

TEAMWORK IN VIRTUAL SPACE **COMSTU 485A**

Team building is a critical dimension of effectiveness in the professional setting. Teams are now operating more and more in virtual space. This course is a learning experience designed to develop skills in the "give and take" of successful teamwork that goes on over the net. Using a variety of experiential learning processes with simulated teams, this course will shapren both your thinking and interactive skills. Through practice and feedback with virtual teammates, students will develop skills in creative problem solving, effectively presenting ideas and opinions, and conducting shorter, more productive meetings. Real individual problems and issues at work will provide a large share of the course content. Students will develop a variety of strategies to achieve best results through information technology.
Note: A video preview of this course is available at: http://158.121.110.48:8080/ramgen/Brad4.rm
3 Credits, Special course fee: $650

ONLINE
Sched No 279506

Community Media and Technology

USING TECHNOLOGY: MULTIMEDIA **CMTCTR 300/CMTCOM 306**

For this competency students would be expected to demonstrate sufficient technical proficiency in one of three different areas of multimedia, especially still, dynamic or interactive media. The range of multimedia projects would include logo and menu design, digital audio or video, web, and CD/DVD authoring. This course will include an interactive overview of multimedia and exploration of the digital tools used to create multimedia projects. Students will be required to work closely with a community-based or grassroots organization and other student partners in a classroom and online environment. In addition to crediting prior learning in any of the areas, this competency could be delivered through a number of innovative instructional strategies, including mentoring internships, existing training programs at community media and technology centers, and/or appropriate online courses that meet the terms of the competency.
3 Credits, Course fee: $465
Note: Please register for both of the listed schedule numbers for the section you wish to enroll in.

BOSTON CAMPUS
M 7:00-9:30pm, room TBA
Sched No 281669 (CMTCTR 300), 281627 (CMTCOM 306)

ONLINE
February 3-May 12
Special course fee: $650
Sched No 281662 (CMTCTR 300), 281620 (CMTCOM 306)

DEVELOPING A MEDIA/ TECHNOLOGY STRATEGY **CMTCTR 400/CMTCOM 400**

Society is increasingly saturated with media and organized around electronic communication. As digital, interactive media become pervasive in the workplace, as well as the home, the success of an organization is directly related to its ability to effectively find a presence in the media environment, and, to incorporate media strategies and technology plans integrated with organizational missions and strategic planning objectives. Students will be guided with research and information in participatory media advocacy, community organizing, community planning, strategic planning, and media theory. For the completion of the course, they will identify and research a relevant public or community issue, organizational need, or social goal, describe its fit with larger organizing goals and strategies, and design an effective media/technology project to build capacity, mobilize a constituency, or influence key stakeholders on the issue.
3 Credits, Course fee: $465
Note: Please register for both of the listed schedule numbers for the section you wish to enroll in.

BOSTON CAMPUS
Tu 7:00-9:30pm, room TBA
Sched No 281690 (CMTCTR 400); 281648 (CMTCOM 400)

ONLINE
January 28-May 13
Special course fee: $650
Sched No 281683 (CMTCTR 400); 281641 (CMTCOM 400)

Computer Science

INTRODUCTION TO OPERATING SYSTEMS **CS 444**

Description of current operating systems, with focus on one or two in particular. Topics include defining the operating system as distinct from the hardware on one side and software systems on the other; process concepts; memory management; CPU scheduling; device management; file systems; network support.
Prerequisites: CS 241 and CS 310.
3 Credits, Special course fee: $650; Lab fee: $40

ONLINE
Sched No 200707

Criminal Justice

CRIMINOLOGY **CRMJUS L262**

A general survey and analysis of adult crime. Attention to historical development of criminological thought, societal reaction to crime, and behavioral systems. Emphasis on theories of criminality and issues in the administration of justice by police and courts.
Prerequisite: Sociol 101 and junior or senior standing.
Distribution II: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
M 6:00-9:00pm
Sched No 200637

RACE AND ETHNIC RELATIONS **CRMJUS L321**

An examination of racial and ethnic relations in contemporary society, including the history and sociology of the immigration experience, bilingual education, the nature and character of discrimination, neighborhood change, and racial and ethnic conflict.
Prerequisite: Sociol 101.
Diversity Area: United States.
3 Credits, Course fee: $465

BOSTON CAMPUS
Th 6:00-9:00pm, Room TBA
Sched No 280731

METHODS OF SOCIOLOGICAL RESEARCH **CRMJUS L351**

Design of sociological research and methods of inquiry. Organization and analysis of data, development of research projects.
Prerequisites: Sociol 101 and junior standing.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 2:30-5:30pm, W-1-044
Sched No 200651

ALCOHOLISM: ETIOLOGY AND EPIDEMIOLOGY **CRMJUS L368**

An in-depth interdisciplinary analysis of the nature, causes and extent of alcoholism and problem drinking. Analysis of drinking patterns and drinking problems cross-culturally and among subgroups in the population such as women, prison inmates, the elderly, and homeless people.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 3:15-6:15pm, W-1-020
Sched No 279604

Earth & Geographic Science

THE GLOBAL ENVIRONMENT **E&GSCI 101**

An analysis of the physical geographic environment including the globe, the atmosphere and ocean, climate, soils, vegetation, and landform. Positive and negative interaction of human beings with these aspects of the environment is examined where appropriate.
Distribution I Area: Natural Sciences.
Distribution II Area: Natural Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-020
Sched No 200777

WEATHER AND CLIMATE **E&GSCI 225**

This course investigates atmospheric processes forming the basis for weather patterns and climatic development on a global scale. Major topics include earth-sun relationships, heating and cooling of the atmosphere, atmospheric circulation, pressure patterns, air mass formation and frontal systems, vertical zonation of climate, and the Koppen System for evaluating and classifying climatic phenomena.
Prerequisite: Sophomore standing.
Distribution I Area: Natural Sciences.
3 Credits, Course fee: $465

COPLEY
M 6:00-9:00pm
Sched No 200791

INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS **E&GSCI 380**

This course is concerned with computer handling of spatial data. It covers essential elements of a GIS, hardware requirements, GIS software, data acquisition, data structures, spatial databases, methods of data analysis and spatial modeling, and applications of GIS in solving a variety of environmental and economic problems.
Prerequisite: E&GSci 265.
4 Credits, Course fee: $620, Lab fee: $50

LECTURE: BOSTON CAMPUS
Tu 6:00-8:30pm, S-3-035
Sched No 282601

LAB: BOSTON CAMPUS
Th 6:00-8:30pm, S-3-020
Sched No 282068

VISUAL BASIC AND GIS SYSTEM DESIGN **E&GSCI 480A**

This course teaches the concepts and programming techniques of Visual Basic for the development of new GIS software products and/or customization, extension and integration of existing systems. The course will make use of Map Objects in developing GIS functions within the Visual Basic environment. The prerequisite for this course is that students should be familiar with Windows 2000 operating systems and comfortable with Windows-based applications.
3 Credits, Course fee: $465

BOSTON CAMPUS
M 6:00-8:30pm, S-3-020
Sched No 282110

Economics

INTRODUCTION TO MICROECONOMICS **ECON 101**

A broad introductory survey in which special attention is given to the role of economic principles in analyzing and understanding current economic problems. Emphasis is placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). Other areas of emphasis vary from section to section and may include industrial organization, income distribution, international trade, economics of the environment, and other topics.
Prerequisite: Math 115 or equivalent.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
Th 6:00-9:00pm
Sched No 200833

BOSTON CAMPUS
F 6:00-9:00pm, W-1-020
Sched No 200840

ONLINE
Special course fee: $650
Sched No 281942

INTRODUCTION TO MACROECONOMICS **ECON 102**

A broad introductory survey in which special attention is given to the role of economic principles in analyzing and understanding current economic problems. Emphasis is placed on examining the overall functioning of the economy and on dealing with such matters as unemployment, inflation and recession. Other areas of emphasis vary from section to section and may include economics of government spending and taxation, economic development, alternative economic systems, and other topics.
Prerequisite: Math 115 or equivalent.
Note: Econ 101 is not a prerequisite for Econ 102.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-044
Sched No 200861

COPLEY
W 6:00-9:00pm
Sched No 200854

MONEY AND FINANCIAL INSTITUTIONS **ECON 331**

An economic analysis of the U.S. financial system, including examination of the major types of financial assets, financial markets, and financial institutions, as well as the major factors that determine asset prices and the structure of interest rates. Attention is given to the nature and operation of banking firms and the structure and regulation of the banking industry. Other topics may include the Federal Reserve and monetary policy; the determination of the money supply; recent trends in the banking industry; lending discrimination and community reinvestment; and current public policy issues in the areas of banking and finance.
Prerequisites: Econ 101 and 102.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-044
Sched No 200875

English

Note: ENGL 101 and 102 are prerequisites for all English courses above the 100 level. For non-majors, one 200-level English course is prerequisite for all 300- and 400-level English courses. These requirements may be modified or waived for certain courses: see the following course descriptions for such changes. The student who is strongly motivated to take a course for which he or she has not satisfied the prerequisites should contact the instructor for advice and permission.

Students whose first language is not English and who have not previously completed a UMass Boston English or ESL credit course must take a writing placement test before registering for any English course. For further information, see page 6 ("Diagnostic Testing").

FRESHMAN ENGLISH I **ENGL 101**

Small class instruction and practice in writing for college courses on various kinds of topics, many from experience and observation, chosen to develop the student's confidence and ability. Readings and materials vary from section to section, but all sections require a minimum of eight 600-word papers.
Note: This course satisfies the first half of the College's freshman writing requirement.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 3:15-6:15pm, W-1-044
Sched No 201008

COPLEY
MW 7:30-9:00pm
Sched No 201001

PLYMOUTH
TuTh 6:45-8:15pm
Sched No 279667

FRESHMAN ENGLISH II **ENGL 102**

Continuation of Engl 101, with emphasis on topics and research writing assignments of the kinds encountered in many types of college courses. Readings and materials vary from section to section, but all sections require a minimum of seven papers, including a longer research paper.
Note: This course satisfies the second half of the College's freshman writing requirement.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-020
Sched No 201029

COPLEY
MW 6:00-7:30pm
Sched No 201022

ORAL COMMUNICATION **ENGL Z106**

The course focuses on improvement of interpersonal, small group, and public communications skills. Through readings, journals, class discussions and activities, we explore the following: self-concept and perception, listening and responding, language and non-verbal behaviors, interviewing, problem-solving and decision-making, formal elements of speech-making, the evaluation of one's own and others' public messages.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-012
Sched No 200987

FIVE MAJOR BRITISH WRITERS **ENGL 201**

Representative works by five of the most important writers from the fourteenth to the nineteenth century, studied as introductions to philosophical and humanistic studies, explored as reflecting and shaping the leading ideas, assumptions, and values of their ages. Works by Chaucer, Shakespeare, and other authors such as Milton, Swift, and Austen, with films and background lectures on the philosophical and historical contexts of the works and their authors. Instruction in analytical reading and writing is provided.

Prerequisites: See note at beginning of English section.
Distribution I Area: Philosophical and Humanistic Studies.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-012
Sched No 201043

SIX AMERICAN AUTHORS **ENGL 206**

The achievements of American literature in articulating the American mind are illustrated by works from some well-known American writers-Thoreau, Dickinson, Faulkner, for example-as well as from those who deserve to be better known, such as Frederick Douglass, Kate Chopin, Zora Neale Hurston.

Prerequisites: See note at beginning of English section.
Distribution I Area: The Arts.
3 Credits, Course fee: $465

COPLEY
Tu 6:00-9:00pm
Sched No 201057

INTRODUCTION TO CREATIVE WRITING **ENGL 210**

An introduction to the arts through the medium of writing as well as reading poetry and fiction. Student writing is submitted weekly and discussed in class.

Prerequisites: See note at beginning of English section.
Distribution I Area: The Arts.
3 Credits, Course fee: $465

COPLEY
W 6:00-9:00pm
Sched No 201071

BLACK LITERATURE IN AMERICA **ENGL 235**

A survey of works by African-Americans with attention to the interaction of musical, oral and literary forms in Black expression, slave songs, blues lyrics, sermons, and works by Hughes, Wright, Baraka, and others.

Distribution I Area: The Arts.
Diversity Area: United States.
3 Credits, Special course fee: $650

ONLINE
Sched No 280745

ADVANCED COMPOSITION: TECHNICAL WRITING **ENGL 306**

Introduces the fundamental concepts and principles of technical writing, including audience analysis, editing, revising documents, document specifications and outlines, technical definitions, correspondence, visuals, technical description, process explanations, procedures, directions, manuals, and proposals. Assignments include editing/revising documents, analyzing Web sites, and composing short technical documents with graphics.

Prerequisites: See note at beginning of English section.
3 Credits, Special course fee: $650

ONLINE
Sched No 201092

SHORT STORY **ENGL 324**

A study of the short story, chiefly as a genre of this century. The course traces its development from nineteenth century origins, concentrating its reading on such American and Irish writers as Welty, O'Connor, Cheever, Lavin, Joyce, Hemingway, Montague, and considering as well the statements made by short story writers on the poetics of short fiction.

Prerequisites: See note at beginning of English section.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-019
Sched No 201106

Environmental Studies

THE NATURE OF ENVIRONMENTAL PROBLEMS **ENVSTY 101**

An introduction to environmental issues and analysis emphasizing comparisons between the sustainable characteristics of ecosystems, both natural and human, and the human impacts on the Earth's life support systems. Topics include human population growth, food production, use of natural resources, pollution, loss of biodiversity, and conservation strategies.

Note: This online course includes a field study weekend (April 24-27) at the Nantucket Field Station. Students are responsible for transportation to Nantucket and for food. Housing is provided. Students who are unable to attend will have supplemental information/work provided.
Distribution II Area: Natural Sciences.
3 Credits, Special course fee: $725

ONLINE
Sched No 279681

French

ELEMENTARY FRENCH II **FRENCH 102**

A continuation of French 101. Concentrated practice in the four language skills, with an audio-lingual approach, for students who have completed French 101 or its equivalent. Continued attention to French and francophone culture. Weekly lab attendance and assignments required.
Prerequisite: French 101 or equivalent.
Distribution I Area: Foreign Languages.
Distribution II Area: World Languages.
4 Credits, Course fee: $620, Lab fee: $25

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-058
Sched No 201120

INTERMEDIATE FRENCH II **FRENCH 202**

This course seeks to build on the level of achievement reached in French 201. Participants study a variety of literary and cultural texts as models of written expression. Weekly laboratory attendance and assignments required.
Prerequisite: French 201 or equivalent.
Distribution I Area: Foreign Languages.
4 Credits, Course fee: $620, Lab fee: $25

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-056
Sched No 201134

History

FOUNDATIONS OF WESTERN CIVILIZATION **HIST 111**

A survey of the political, cultural, social, and economic history of Western society from antiquity until 1715. Emphasis is given to the critical analysis of primary sources.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

COPLEY
M 6:00-9:00pm
Sched No 201148

MODERN WESTERN CIVILIZATION **HIST 112**

This course traces the major political, economic, and cultural changes which have shaped Western society from the Enlightenment to the present. Emphasis is given to the critical analysis of primary source materials.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-061
Sched No 201162

MODERN WORLD HISTORY II **HIST 114**

History of modern Western industrial societies and the non-Western world, 1800-present.
Distribution I Area: Historical and Cultural Studies.
Disitribution II Area: Social and Behavioral Sciences.
Diversity Area: International.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 6:00-9:00pm, W-1-044
Sched No 201176

AMERICAN HISTORY BEFORE 1877 **HIST 165**

Introduces students at the intermediate level to the study of American history before 1877. The subject matter encompasses virtually all aspects of American society. The interrelationship between social structure, economic development, everyday life, culture and formal politics is explored throughout the course. Attention is given to the nature of historical inquiry and the development of writing skills.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

COPLEY
Tu 6:00-9:00pm
Sched No 201190

AMERICAN HISTORY AFTER 1877 **HIST 166**

A survey of American history from 1877 covering the nature of American social structure, economic development, everyday life, culture, and formal politics. Attention is given to the nature of historical inquiry and the development of writing skills.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

BRAINTREE
Tu 6:30-9:30pm
Sched No 201204

MODERN IRISH HISTORY FROM 1800 TO THE PRESENT **HIST 339**

This course examines the forces and movements in the development of Irish Nationalism from 1800 to the achievement of national independence. The course also explores the history of an independent Ireland.
Prerequisite: Sophomore standing.
3 Credits, Course fee: $465

COPLEY
Th 6:00-9:00pm
Sched No 201218

HISTORY OF MODERN TERRORISM **HIST 389**

This course studies the phenomenon of terrorism by considering twentieth-century political movements that have used or are using terror to achieve their objectives. The course develops an analytical framework for the study of terrorism and uses this framework in exploring the historical backgrounds, objectives, ideologies, tactics, and membership profiles of selected groups, and in considering the responses of their opponents. Groups to be studied include the IRA, the Irgun, the PLO, the Baader-Meinhof, and the Ku Klux Klan.
Prerequisite: Junior standing or permission of instructor.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-061
Sched No 201232

Information Technology

In addition to the courses listed below, UMass Boston offers a variety of non-credit IT training programs; for information, see pages 45-48.

VISUAL BASIC **CS-IT Z110**

An introductory course in Visual Basic programming, the course will provide the student with hands-on exposure to the object-oriented/event-driven components of Visual Basic. Using laboratory case assignments, students will plan and create their own Windows applications. They will learn how to create a user interface, set control properties, and write Visual Basic code.
3 Credits, Special course fee: $515

COPLEY
W 6:00-9:00pm, LAB
Sched No 200721

LAN/WAN TECHNOLOGIES **CS-IT Z242**

The course discusses basic data communication concepts; digital and analog signaling, media and cabling systems; the OSI reference model; physical and DATA link layer; LAN standards, Ethernet, token ring, FDDI, switched technologies, emerging LAN standards, bridges and routers; and network operating systems.
3 Credits, Special course fee: $515

PLYMOUTH
Th 6:45-9:15pm
Sched No 279618

INTRODUCTION TO LINUX/UNIX **CS-IT Z244**

On the Internet's most popular, fastest-growing platform, Linux, students will install, set up, and operate all the tools of the trade. From appletalk to world wide web servers, students will explore the workings of the platform and how to make it work for them. Students should be able to undertake this work from their own computer.
No prerequisite, but programming experience or experience with Linux or UNIX operating systems and C Programming will be helpful.
3 Credits, Special course fee: $650

ONLINE
Sched No 200735

Interdisciplinary Studies

MARITIME HISTORY **INTR-D Z106**

This course offers a brief introduction to New England maritime history and its role in the coastal environment, both natural and human. More than that, it offers each student a chance to add to the "mental toolbox" new tools that may be useful in other areas unrelated to maritime history.
3 Credits, Course fee: $465
Note: This course is offered through the Marine Studies Consortium (for more information, see page 52).

WELLESLEY COLLEGE
W 6:10-9:10pm, Jan 22-April 30
Please register through the Marine Studies Consortium (see page 52)

Latin American Studies

ANALYZING LATIN AMERICAN CULTURE AND SOCIETY THROUGH FILM **LAT AM 205**

This course uses commercially produced films by US and Latin American directors to explore a variety of experiences and environments in Latin American countries today. Topics include colonialism; the destruction of native South Americans and their environments, both rural and urban; political terror and military dictatorships; US-Mexican border problems; emigration to the US; and revolution.
Distribution II Area: Arts.
Diversity Area: International.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-2-125
Sched No 279779

BRAZILIAN CIVILIZATION **LAT AM L375**

A general survey of Brazil, tracing the evolution of cultural, economic, political, and social structures from colonial times to the present. The course discusses the distinctions and similarities in the development of Portuguese America and Spanish America. Readings include historical source material, novels, and modern studies on Brazil. Conducted in English. Fulfills a requirement for Latin American Studies Program.
3 Credits, Course fee: $465

BOSTON CAMPUS
M 6:00-9:00pm, Feb 3-May 12, room TBA
Sched No 281718

Linguistics

ELEMENTARY AMERICAN SIGN LANGUAGE II **LING 152**

A continuation of Ling 151 with emphasis on receptive and expressive skills.
Note: Ling 152 may be used as a distribution course only after successful completion of Ling 153.
Prerequisite: Ling 151 or permission of the instructor.
Distribution I Area: Foreign Languages.
3 Credits, Course fee: $465, Lab fee: $25

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-054
Sched No 201316

Management

INTRODUCTION TO BUSINESS **MGT 130**

Familiarizes students with the nature of business and its relationship to other institutions in society. The course examines business ownership, organization, management, marketing, human resources management, production, and finance. In addition, the course explores issues in the relationships between capitalism and business, the law and business, and government and business.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-054
Sched No 201414

PLYMOUTH
S 9:00-11:30am
Sched No 201428

ONLINE
Special course fee: $650
Sched No 201421

Management Science and Information Systems

INTRODUCTION TO COMPUTERS AND INFORMATION SERVICES **MSIS 110**

Introduces systems thinking principles, computers, information systems, and their use in business decision making. Topics include management information systems concepts and components, issues involving information management, productivity software tools. The course offers an extensive hands-on component in the use of state-of-the-art technology.
3 Credits, Special course fee: $515

COPLEY
Tu 6:00-9:00pm
Sched No 201442

PLYMOUTH
M 6:45-9:15pm
Sched No 279786

MANAGERIAL STATISTICS **MSIS 111**

Provides the student with the basic statistical techniques needed for business decision making in areas such as operations management, quality improvement, marketing research, finance, and general management. The course examines collection and presentation of data, frequency distributions, basic probability, statistical inference, and regression. Students use statistical software for data presentation and analysis.
Prerequisite: Math 129. Corequisite: MSIS 110.
3 Credits, Special course fee: $650

ONLINE
Sched No 279800

INTRODUCTION TO E-BUSINESS **MSIS 121**

This course is designed to provide the student with a thorough knowledge of e-commerce and e-business technologies, architecture, relational database management systems, client/server scripting, xml, and network fundamentals.
3 Credits, Special course fee: $650

ONLINE
Sched No 279814

INTRODUCTION TO SYSTEMS SECURITY **MSIS 123**

An overview of information systems security. Topics addressed include a mix of access control systems and methodology, telecommunications and network security, security management practices, application and systems development security, cryptography, security architecture and models, operations security, business continuity and disaster recovery planning, systems security law and ethics, physical systems security and global networked systems security.
3 Credits, Special course fee: $515

COPLEY
Th 6:00-9:00pm
Sched No 279828

ONLINE
Special course fee: $650
Sched No 279835

Mathematics

REQUIREMENTS

Any student who intends to take a mathematics course at or below the level of MATH 140 (Calculus I) or a Computer Science course at or below the level of CS 110 (Introduction to Computing) or CS 119 (Computer Language Supplement) must furnish evidence that he or she is prepared for that course before being allowed to register for the course. Enrollment in MATH 125, 129, 130, or 140 requires a suitable score on the Math Diagnostic Test (see below). Successful completion of MATH 115 is not sufficient to enroll in MATH 125, 129, or 130. Successful completion of MATH 130 is not sufficient to enroll in MATH 140. However, the prerequisite for CS 110 is one of the following: a suitable score on the Math Diagnostic Test, or a passing grade in MATH 140, or a grade of C or better in an equivalent Calculus I course at another college or university.

MATH DIAGNOSTIC TEST

Appropriate preparation is especially important for students taking mathematics and computer science courses, and the University wants to be certain that students in these courses have the math skills they need for success. Before registering for introductory courses in mathematics (see above paragraph for specifics), all UMass Boston students must demonstrate their skills by taking a diagnostic test. The University uses this test to place students in the courses that will serve them best. For test information, see page 6 ("Diagnostic Testing").

COLLEGE ALGEBRA **MATH 115**

Designed primarily but not exclusively for students seeking a stronger foundation in algebra before taking Math 129 or Math 130. Topics include basic algebra concepts, linear equations and inequalities and inequalities, properties of functions, linear and quadratic functions, absolute value equations and inequalities, systems of equations.
Prerequisite: A suitable score on the mathematics diagnostic test .
Distribution I Area: Mathematics and Computer Languages.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 3:15-6:30pm, W-1-054
Sched No 201351

COPLEY
Tu 6:00-9:15pm
Sched No 201344

INTRODUCTORY STATISTICS — MATH 125

Topics include introductory statistics, covering descriptive statistics; introductory probability sufficient to enable development of inferential statistics; and inferential statistics.
Note: No student receives graduation credits for Math 125 if it is taken after successful completion of Math 345.
Not open to mathematics or science majors, except in nursing and geography.
Prerequisite: A suitable score on the mathematics diagnostic test or Math 099.
Distribution I Area: Mathematics and Computer Languages.
Distribution II Area: Mathematics.
3 Credits, Course fee: $465

BOSTON CAMPUS	COPLEY
S 11:45am-3:00pm, W-1-057	W 6:00-9:15pm
Sched No 201372	Sched No 201365

PRECALCULUS — MATH 130

Preparation for first year calculus. Covers symmetry, graphs, functions, lines, parabolas and max-min problems, exponential and logarithm functions, exponential growth, semilog graphing, and the trigonometric functions and their inverses. Qualified students should enter Math 140 without taking this course.
Note: No student receives graduation credits for Math 130 if it is taken after successful completion of any higher math course. Students who have successfully completed Math 130 may not subsequently take Math 124 or Math 129 for credit. Students may take Math 130 after Math 124 or Math 129 only with explicit permission of the department, and then only for two credits.
Prerequisite: A suitable score on the mathematics diagnostic test only. Successful completion of Math 115 is not enough.
Distribution I Area: Mathematics and Computer Languages.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:30am, W-1-057
Sched No 201386

MANAGERIAL ALGEBRA AND CALCULUS — MATH 134

This course is designed to provide students with mathematical literacy through mastery of basic algebra and basic calculus. Topics include functions, graphs, absolute value, linear equations, inequalities, systems of linear equations and inequalities, polynomials, exponential and logarithmic functions, limits, continuity, derivatives, summation of series, and integration. Applications will be made to managerial situations throughout the course.
Prerequisite: A suitable score on the mathematics diagnostic test or completion of Math 129 or 130.
Distribution I Area: Mathematics and Computer Languages.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 6:00-9:15pm, W-1-047
Sched No 201400

Music

AN INTRODUCTION TO MUSIC — MUSIC 111

Basic music materials, principles of design, and the cultural significance of representative works in historical sequence. Designed primarily for non-music majors.
Distribution I Area: The Arts.
Distribution II Area: Arts.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, room W-1-005
Sched No 201484

PRIVATE MUSIC LESSONS — MUSIC 185

Private music lessons at beginning, intermediate and advanced levels are offered in voice, piano, guitar and all orchestral instruments and are open to all students. Students may register for twelve half-hour or twelve one-hour lessons; all options bear one academic credit. Lesson times are arranged between student and instructor. For further information, contact the Music Department at 617.287.6980 or visit the CCDE Registration Center.
Note: Waivers may not be used for Music 185.
The registration deadline for Music 185 is January 17. No late registrations will be accepted.

COURSE FEES:
Twelve half-hour lessons: $300, 1 Credit
Twelve one-hour lessons: $600, 1 Credit

MUSIC 185A: FLUTE		
Half-hour lessons	One-hour lessons	
Sched No 201498	Sched No 201505	
MUSIC 185B: BASS		
Half-hour lessons	One-hour lessons	
Sched No 201519	Sched No 201526	
MUSIC 185C: CLARINET		
Half-hour lessons	One-hour lessons	
Sched No 201540	Sched No 201547	
MUSIC 185D: DRUMS		
Half-hour lessons	One-hour lessons	
Sched No 201561	Sched No 201568	
MUSIC 185E: GUITAR		
Half-hour lessons	One-hour lessons	
Sched No 201582	Sched No 201589	
MUSIC 185F: PIANO		
Half-hour lessons	One-hour lessons*	
Sched No 201617	Sched No 201624	
MUSIC 185G: SAXOPHONE		
Half-hour lessons	One-hour lessons	
Sched No 201680	Sched No 201687	
MUSIC 185H: VIOLIN		
Half-hour lessons	One-hour lessons	
Sched No 280759	Sched No 280766	
MUSIC 185I: VOICE		
Half-hour lessons	One-hour lessons	
Sched No 201701	Sched No 201708	
MUSIC 185J: TRUMPET		
Half-hour lessons	One-hour lessons	
Sched No 201771	Sched No 201778	

**Requires permission of department (call 617.287.6980).*

MUSIC 185K: CELLO

Half-hour lessons	One-hour lessons
Sched No 201792	Sched No 201799

MUSIC 185L: TROMBONE

Half-hour lessons	One-hour lessons
Sched No 201813	Sched No 201820

MUSIC 185M: ORGAN

Half-hour lessons	One-hour lessons
Sched No 201834	Sched No 201841

MUSIC 185N: VIOLA

Half-hour lessons	One-hour lessons
Sched No 201855	Sched No 201862

MUSIC 185O: OBOE

Half-hour lessons	One-hour lessons
Sched No 201876	Sched No 201883

MUSIC 185P: RECORDER

Half-hour lessons	One-hour lessons
Sched No 201897	Sched No 201904

MUSIC 185Q: HORN

Half-hour lessons	One-hour lessons
Sched No 201908	Sched No 201925

UNIVERSE OF MUSIC **MUSIC 248**

An introduction to the infinite universe of music from its origins to the present, this course investigates the role of instruments, culture, myth and science in the evolution of music. Illustrations through the medium of the World Wide Web present the concept of music as both communication of ideas and expression of feelings in diverse musical traditions of the world.
Distribution II Area: Arts.
3 Credits, Special course fee: $650

ONLINE
Sched No 201939

Philosophy

INTRODUCTION TO PHILOSOPHY **PHIL 100**

An introductory examination of the problems and scope of philosophy.
Distribution I Area: Philosophical and Humanistic Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

BOSTON CAMPUS	COPLEY
S 3:15-6:15pm, W-1-045	Th 6:00-9:00pm
Sched No 202177	Sched No 202170

MORAL AND SOCIAL PROBLEMS **PHIL 108**

Important moral and social issues of current concern are examined and debated. The course covers several problems each semester from a list including criminal punishment, war, abortion, racism, violence, the death penalty, private property, sexism, animal rights, the environment, and hunger.
Distribution I Area: Philosophical and Humanistic Studies.
Distribution II Area: Humanities.
Diversity Area: United States.
3 Credits, Course fee: $465

BOSTON CAMPUS	BRAINTREE
S 8:15-11:15am, W-1-058	M 6:30-9:30pm
Sched No 279870	Sched No 202191

COPLEY
Tu 6:00-9:00pm
Sched No 202198

MORAL ISSUES IN MEDICINE **PHIL 222**

Concepts of health, illness and healing, under different paradigms of medicine. Is medicine an art or science? What is the impact of medical technology on human life and death? What is considered "natural"? Attention is given to issues in human reproduction (e.g. in vitro fertilization, conception, abortion). Questions of authority, accountability in doctor-patient relationships, patient advocacy, self-help, right to health care or to refuse treatment. Social and political questions of health care organization.
Distribution I Area: Philosophical and Humanistic Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 2:30-5:30pm, W-1-046
Sched No 202212

Political Science

AN INTRODUCTION TO POLITICS AND POLITICAL SCIENCE **POLSCI 101**

This course introduces and explores the conceptual vocabulary of politics. Though concerned with problems of political theory, it is designed not for theorists but for anyone who thinks, talks, or worries about the public world. A series of brief case studies will be used to show how real-world outcomes are affected by our political ideas and assumptions.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 3:15-6:15pm, W-1-052
Sched No 202226

GOVERNMENT AND POLITICS OF THE UNITED STATES — POLSCI 102

An introduction to the structures, processes, and results of the American governmental system. The course focuses on the national government and national political behavior, although state, regional, and local structures and issues are also introduced. Topics include institutions of government, political principles and ideologies, public opinion, political socialization, political parties, mass media, elections, interest groups, civil rights and civil liberties, public policies and policy making.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
M 6:00-9:00pm
Sched No 279884

ONLINE COURSE

ONLINE
Special course fee: $650
Sched No 279891

COMPARATIVE POLITICS OF TRANSITIONAL SOCIETIES — POLSCI 202

Introductory survey of political systems in non-industrialized nations, drawing on examples from Latin America, Africa, and Asia. Course content focuses on the nature of the development process and the evolution of political institutions and practices.
Distribution I Area: Social and Behavioral Sciences.
Diversity Area: International.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 2:30-5:30pm, W-1-047
Sched No 202254

INTERNATIONAL RELATIONS — POLSCI 220

Through the analysis of current and historical developments, this course focuses on the major patterns and concepts which explain the behavior of nations as they operate on the world scene. Special attention is given to the role of economic relations, war, ideologies, and various attempts at eliminating international conflict; the dynamics of global economic interdependence; the impact of multinational corporations; the impact of regional trading blocs; the significance and impact of globalization. While the course covers broad patterns of international relations, of particular concern are (a) the condition of underdevelopment in the Third World and its link to biases in the structure of the international system and the inequities of the globalizing economy; (b) issues of human rights, ethnicity, nationality; the role of cultural, religious and gender differences; the role of social classes and race.
Prerequisite: Sophomore standing.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
Th 6:00-9:00pm
Sched No 202268

ONLINE COURSE

ONLINE
Sched No 202275

KARL MARX'S MARXISM — POLSCI 459

An investigation of the origins of modern critical social theory through extensive readings from Marx's entire body of writings.
3 Credits, Special course fee: $650

ONLINE COURSE

ONLINE
Sched No 279905

Portuguese

BRAZILIAN CIVILIZATION — PORT L375

A general survey of Brazil, tracing the evolution of cultural, economic, political, and social structures from colonial times to the present. The course discusses the distinctions and similarities in the development of Portuguese America and Spanish America. Readings include historical source material, novels, and modern studies on Brazil. Conducted in English. Fulfills a requirement for Latin American Studies Program.
3 Credits, Course fee: $465

BOSTON CAMPUS
M 6:00-9:00pm, room TBA
Sched No 281732

Psychology

INTRODUCTORY PSYCHOLOGY — PSYCH 100

A general survey of selected content areas in psychology, including personality and human development, physiological psychology, learning, intelligence, heredity and environment, and motivation and emotion.
Note: Students who have already earned credits for Psych 101 may not register for this course.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
W 6:00-9:00pm
Sched No 202303

PLYMOUTH
Tu 6:45-9:15pm
Sched No 279954

ONLINE COURSE

ONLINE
Special course fee: $650
Sched No 279961

INTRODUCTION TO BEHAVIORAL RESEARCH — PSYCH 102

An introduction to the ways of discovering, describing, and making warranted assertions about aspects of people and social life. The chief objectives are 1) to help students develop the skills and knowledge necessary to become intelligent critics of research in the behavioral and social sciences, and 2) to give them a rudimentary understanding of the design and evaluation of scientific research. Statistical material is treated in a conceptual manner. Classroom work and course examinations concentrate equally on research design and research evaluation.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
M 6:00-9:00pm
Sched No 202324

PERSONALITY PSYCH 200

Conceptions of human nature are examined in light of various theories of personality. This course focuses on the theories of Freud, Adler, Sullivan, Erikson, Kelly, Ego psychologists, and other theorists presenting the behavioristic and humanistic perspectives. Among the topics to be addressed are personality structure and its development; stress and coping; neurotic styles; and human motives and their measurement.
Prerequisite: Psych 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-046
Sched No 202338

ABNORMAL PSYCHOLOGY PSYCH 215

This course examines the range of common psychological disorders, their characteristic symptoms, possible causes, and treatment. It takes a critical scientific approach to the criteria used to define psychological abnormality, the theories used to explain it, and the therapies used to treat it. Etiology, dynamics and treatment of psychopathology.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
Th 6:00-9:00pm
Sched No 202352

SOCIAL PSYCHOLOGY PSYCH 230

A scientific attempt to understand and explain how the thought, feeling, and behavior of individuals are influenced by the actual, imagined, or implied presence of others; focuses on the drama of social interaction.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-062
Sched No 202366

ONLINE
Special course fee: $650
Sched No 280794

PSYCHOLOGY OF CROSS-CULTURAL RELATIONS PSYCH 234

The course examines the nature and dynamics of intergroup relations within a multicultural context. Relations will be studied among diverse ethnic, racial and cultural groups in the United States and globally. The course will look at cross-cultural relations from an interdisciplinary perspective, discussing psychological and sociopolitical issues.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
Diversity Area: United States.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 6:00-9:00pm, W-1-009
Sched No 280808

THE PSYCHOLOGY OF WOMEN PSYCH 236

Psychological theories about women from Freud to the present are examined with emphasis placed on biological and sociocultural perspectives as they have influenced the development of a psychology of women. Special attention is paid to the developmental process and the unique issues and concerns of the female infant, adolescent, young adult, and older woman.
Prerequisite: Psych 100 or 101. Recommended: Psych 230, 241.
Distribution I Area: Social and Behavioral Sciences.
Diversity Area: United States.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 3:15-6:15pm, W-1-046
Sched No 280822

INFANCY AND CHILDHOOD DEVELOPMENT PSYCH 241

This course explores human development from infancy to middle childhood, i.e., from childbirth to ages seven or eight. Major emphasis will be placed on early perceptual, cognitive, social and affective development bearing the following questions in mind: How does the world of space and objects appear to the infant? How does he or she acquire knowledge and discover reality? How does the child experience the world of people and develop a sense of self? How does the child develop attachments to others and what role is played by the significant people in his or her life?
Prerequisite: Psych 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
Tu 6:00-9:00pm
Sched No 202380

ADOLESCENCE PSYCH 242

This course is designed to acquaint students with psychological characteristics of adolescent development, theoretical approaches to adolescence, and experimental studies of the causes of a variety of behaviors during adolescence. The course also focuses on major problems and characteristics of adolescents in modern society.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BRAINTREE
Tu 6:30-9:30pm
Sched No 202394

LEARNING AND MEMORY PSYCH 250

An introduction to current view of behavioral change, learning, and remembering. The course focuses on concepts, theoretical issues and applications of current research.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-2-125
Sched No 202408

STATISTICS **PSYCH Z270**

The applied study of the scientific method in the behavioral sciences. Fundamental statistical concepts and techniques are surveyed and used, with primary emphasis on the logic underlying the use of descriptive and inferential tools in scientific inquiry. Topics include parametric and non-parametric statistics, e.g., correlation and analysis of variance.
Prerequisites: Psych 101 and high school algebra or Math 124.
3 Credits, Course fee: $465, Lab fee: $15

COPLEY
Th 6:00-9:00pm
Sched No 280850

PSYCHOLOGICAL TRAUMA: INDIVIDUAL AND SOCIETY **PSYCH 315**

This course explores the theory, research, and phenomenology of response to such traumatic events as combat, rape, and concentration camp survival. It examines the normative psychological processes, common symptom picture, and the developmental, sociocultural, and personality factors that influence response. Discussions also focus on present and past controversies within the research, and on the personal, social, and professional implications of the material.
Prerequisite: Psych 215.
3 Credits, Course fee: $465

COPLEY
W 6:00-9:00pm
Sched No 279975

GROUP DYNAMICS **PSYCH 333**

An examination of small group behavior from a theoretical and empirical perspective. The group is viewed as a system functioning in a number of environments—physical, personal, social, and task. Each of these interrelated environments influences various aspects of group process. Thus leadership, power, conformity, status, goals, etc., are considered as interrelated processes of social interaction.
Prerequisite: Psych 230.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 2:30-5:30pm, W-1-010
Sched No 202450

THE FAMILY AND THE CHILD: A PSYCHOLOGICAL VIEW **PSYCH 341**

The role of the family in the psychological development of the child. A psychodynamic view of the family, examining stages of development from the third trimester of pregnancy to sixteen years of age.
Prerequisite: Psych 241.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 6:00-9:00pm, W-1-019
Sched No 280836

Study of Religion

SOCRATES, JESUS, BUDDHA **RELSTY 104**

A study of three great paradigmatic figures and the different ways of life and views of reality which they represented. Attention to the social-cultural contexts in which they emerged; critical evaluation of Socrates and Jesus as sources of Western values; and exploration of why the Buddha has recently become an attractive alternative.
Distribution I Area: Philosophical and Humanistic Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-062
Sched No 202464

Sociology

INTRODUCTION TO SOCIOLOGY **SOCIOL 101**

The structure of society, cultural patterns, and group life. The individual and socialization, groups, institutions, social systems, and social change.
Distribution I Area: Social and Behavioral Sciences.
Distribution II Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-2-124
Sched No 202534

BRAINTREE
Th 6:30-9:30pm
Sched No 202520

COPLEY
M 6:00-9:00pm
Sched No 202527

PLYMOUTH
S 9:00-11:30am
Sched No 279982

YOUTH AND SOCIETY **SOCIOL 201**

An examination of theories and research on youth and society. Present day patterns of youthful development are contrasted to other types-both in Western history and in other cultures. The relationship of youth to major institutions (educational, legal, occupational) are examined in detail.
Prerequisite: Sociol 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
Tu 6:00-9:00pm
Sched No 279996

SOCIAL DEVIANCE AND CONTROL **SOCIOL 261**

This course examines the conditions and processes underlying social conformity and deviance. Discussion topics include social definitions of deviance, societal reactions to deviant behavior, deviant subcultures, and social control processes.
Prerequisite: Sociol 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 2:30-5:30pm, W-1-009
Sched No 202548

CRIMINOLOGY **SOCIOL L262**

A general survey and analysis of adult crime. Attention to historical development of criminological thought, societal reaction to crime, and behavioral systems. Emphasis on theories of criminality and issues in the administration of justice by police and courts.
Prerequisite: Sociol 101.
Distribution 11 Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

COPLEY
M 6:00-9:00pm
Sched No 202492

SOCIETY AND THE INDIVIDUAL **SOCIOL 281**

Basic survey of the social environment of individuals and its impact on psychological processes.
Prerequisite: Sociol 101.
Distribution 1 Area: Social and Behavioral Sciences.
Distribution 11 Area: Social and Behavioral Sciences.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-048
Sched No 202562

FAMILY VIOLENCE **SOCIOL 316**

This course seeks to help participants develop a critical understanding of force and violence within the family structure. Emphasis is on violence between spouses, and between children and parents; and on the prevalence, the character, and the causes of such violence. Topics also include society's reaction to family violence, and its policies of control and treatment; and the sexual abuse and exploitation of children and women.
Prerequisites: Sociol 101 or permission of instructor.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 6:00-9:00pm, W-1-041
Sched No 202576

RACE AND ETHNIC RELATIONS **SOCIOL L321**

An examination of racial and ethnic relations in contemporary society, including the history and sociology of the immigration experience, bilingual education, the nature and character of discrimination, neighborhood change, and racial and ethnic conflict.
Prerequisite: Sociol 101.
Diversity Area: United States.
3 Credits, Course fee: $465

BOSTON CAMPUS
Th 6:00-9:00pm, room TBA
Sched No 280717

ELEMENTS OF SOCIOLOGICAL THEORY **SOCIOL 341**

Reading and discussion of basic sociological works in theory. Relevance of earlier and contemporary sociological interests and research.
Prerequisites: Sociol 101 and junior standing.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 6:00-9:00pm, W-1-010
Sched No 280864

METHODS OF SOCIOLOGICAL RESEARCH **SOCIOL L351**

Design of sociological research and methods of inquiry. Organization and analysis of data, development of research projects.
Prerequisites: Sociol 101 and junior standing.
3 Credits, Course fee: $465

BOSTON CAMPUS
F 2:30-5:30pm, W-1-044
Sched No 202506

JUVENILE DELINQUENCY **SOCIOL 362**

The nature and extent of delinquency. Consideration of theories, delinquent subculture, and programs for control and prevention.
Prerequisites: Junior standing and Sociol 101.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-048
Sched No 202590

DRUGS AND SOCIETY **SOCIOL 367**

This course examines the social origins and consequences of the use and abuse of consciousness-altering substances (including alcohol). It considers how society defines and deals with drug use and assesses social harm, including such issues as addictions and health effects, drugs and crime, the legislation debate, and drug policy and enforcement.
3 Credits, Course fee: $465

COPLEY
Th 6:00-9:00pm
Sched No 202604

ALCOHOLISM: ETIOLOGY AND EPIDEMIOLOGY **SOCIOL L368**

An in-depth interdisciplinary analysis of the nature, causes, and extent of alcoholism and problem drinking. Analysis of drinking patterns and drinking problems cross-culturally and among subgroups in the population such as women, prison inmates, the elderly, and homeless people.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 3:15-6:15pm, W-1-020
Sched No 279590

Spanish

ELEMENTARY SPANISH I **SPAN 101**

For students who have no creditable training in Spanish; intensive practice in the four language skills, with an audiolingual approach. Weekly laboratory attendance and assignments required.
Note: Students may not take both Span 101 and 105.
Distribution 1 Area: Foreign Languages.
Distribution 11 Area: World Languages.
4 Credits, Course fee: $620, Lab fee: $25.

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-055
Sched No 202695

BRAINTREE
Th 6:30-9:30pm
Sched No 202681

COPLEY
W 6:00-9:00pm
Sched No 202688

ELEMENTARY SPANISH II **SPAN 102**

The continuation of Spanish 101.
Prerequisite: Span 101 or equivalent. Note: Students may not take both Span 102 and 106.
Distribution I Area: Foreign Languages.
4 Credits, Course fee: $620, Lab fee: $15

BOSTON CAMPUS	COPLEY
S 3:15-6:15pm, W-1-055	Tu 6:00-9:00pm
Sched No 202716	Sched No 202709

BASIC SPANISH FOR COMMUNICATION II **SPAN 106**

A continuation of Span 105.
Note: Students may not take both Span 102 and 106.
Prerequisite: Span 101 or 105.
Distribution I Area: Foreign Languages.
3 Credits, Course fee: $465

PLYMOUTH
M 6:45-9:15pm
Sched No 280010

ADVANCED PRACTICE OF TRANSLATION **SPAN 409**

Practice in translating a variety of genres and styles, both literary and non-literary, in oral and written form. Students have the opportunity to analyze critically, and to resolve creatively, the problems involving such issues in translation as context, register, tone, and audience. Emphasis is on translating into the native language (English/Spanish), but considerable practice is given in the non-native language.
Prerequisite: SPAN 408.
Distribution II Area: World Languages.
Note: This course is open only to students in the Certificate Program in Spanish/English Translation (see page 39).
6 Credits, Special course fee: $1100

BOSTON CAMPUS
TuTh 6:00-9:00pm, Feb 4-May 1, room TBA
To register, contact Kathy FitzPatrick (617.287.7913; kathleen.fitzpatrick@umb.edu).

HISTORY OF THE SPANISH LANGUAGE **SPAN 411**

An introduction to the main cultural and linguistic factors that shaped Spanish from its origins to the modern times, with emphasis on the period before the Enlightenment. The course introduces the basic concepts of linguistic analysis and then takes the learner step by step through the various stages of the evolution of Spanish. Study of the key historical events and texts will enable the student to understand and learn how Spanish evolved from Latin into different branches, giving rise to the many variants of Spanish spoken today around the world. The course presupposes no prior linguistic and/or historical knowledge, and will be delivered in Spanish.
Prerequisite: Span 202 or equivalent.
3 Credits, Special course fee: $650

ONLINE
Sched No 280878

Technical Education

The Center for Technical Education (formerly the Center for Occupational Education) was established in 1983 to meet the needs of prospective vocational educators in metropolitan Boston by offering courses leading to vocational education and vocational special needs approval, as well as courses in technology education. The Center has served over 10,000 vocational-technical educators and other school personnel and now also offers additional programs and services dedicated to enhancing proficiency and professionalism within the field.

The Center is administered by UMass Boston's Division of Corporate, Continuing, and Distance Education but operates under the academic aegis of the University's Graduate College of Education, which provides expertise in research, curriculum design, and the development of pedagaogical competencies.

For more information, please contact: Dr. Sumner Rotman, tel: 617.287.7919; email: sumner.rotman@umb.edu

SUPERVISED INTERNSHIP **OCC ED 206**

The supervised internship allows students to demonstrate theoretical and methodological knowledge in classroom and laboratory settings. The student demonstrates his or her teaching skills under the guidance of a master teacher and is monitored by his or her college instructor.
Prerequisites: OccEd 207, 208, 209, 210, 211, 212.
3 Credits, Special course fee: $495

PLYMOUTH	WAKEFIELD
W 4:00-6:30pm	W 5:00-7:30pm
Sched No 202009	Sched No 202016

COMPETENCY-BASED VOCATIONAL EDUCATIONAL CURRICULUM DEVELOPMENT **OCC ED 207**

This course is designed to help provisionally approved vocational educators develop competency-based curriculum materials for effective teaching of vocational programs. Students will conduct occupational research, develop program task listings, carry out performance assessments, and devise performance tests.
3 Credits, Course fee: $465

PLYMOUTH	WORCESTER
W 6:30-9:00pm	W 5:00-7:30pm
Sched No 280073	Sched No 280080

IMPLEMENTING A COMPETENCY-BASED CURRICULUM **OCC ED 208**

This course will present methods by which a teacher can manage instruction within a system which requires that vocational curricula meet certain criteria for competency-based programs. Instructional topics include modifying existing curricula, adapting the physical environment, evaluation and assessment of student progress, maintaining competency profiles, and integrating academic and vocational components.
Prerequisite: OccEd 207.
3 Credits, Course fee: $465

WAKEFIELD
Th 7:30-10:00pm
Sched No 280101

TEACHING METHODS: INSTRUCTIONAL STRATEGIES IN VOCATIONAL TECHNICAL EDUCATION — OCC ED 209

Teaching methods and strategies are a prerequisite for all prospective vocational teachers. This course will help prospective teachers to develop instructional styles, techniques, and materials for a competency-based educational environment. Prospective teachers will learn to adapt teaching styles to individual students' learning styles, prepare various forms of instructional materials, and develop an evaluation plan for assessing student competencies.

3 Credits, Course fee: $465

ANDOVER
M 5:00-7:30pm
Sched No 280115

ONLINE
Special course fee: $650
Sched No 280787

TEACHING METHODS: EDUCATING THE VOCATIONAL TECHNICAL LEARNER — OCC ED 210

Knowledge of the student clientele is imperative for prospective vocational teachers. This course will help prospective teachers to understand the vastly divergent student population (including special needs students, non-traditional students, and adult learners). Identification of individual student needs, interests, aptitudes, attitudes and abilities in meeting integrated academic/vocational competencies will be examined.

3 Credits, Course fee: $465

FRAMINGHAM
W 5:00-7:30pm
Sched No 280122

PLYMOUTH
W 6:30-9:00pm
Sched No 202030

WAKEFIELD
W 5:00-7:30pm
Sched No 202037

FUNDAMENTALS OF THE VOCATIONAL EDUCATION ENVIRONMENT — OCC ED 211

This course gives provisionally approved vocational/technical educators an historical perspective on vocational education and an insight into its future. The course will analyze federal and state laws germane to vocational education, as well as methods of implementing student organization programs. It will also analyze the workings of a vocational school meeting and examine a specific issue.

3 Credits, Special course fee: $650

ONLINE
Sched No 202051

MANAGEMENT OF THE VOCATIONAL EDUCATION ENVIRONMENT — OCC ED 212

This course trains vocational educators in the theory and practice of effective classroom and laboratory management. Instructional organization, shop organization, safety, first aid, and student management will receive special emphasis.

3 Credits, Special course fee: $650

ONLINE
Sched No 202065

BRAIN COMPATIBILITY: TEACHING AND LEARNING — OCC ED 213

Recent discoveries in the neurophysiology of the brain have had broad implications for teaching and learning. The manner in which the brain receives and processes information requires new pedagogical approaches in a vocational school environment. This course will review these neurological discoveries while giving participants opportunities to develop both insights into their own learning and strategies for improved learning among their students.

3 Credits, Course fee: $465

PLYMOUTH
Th 4:00-6:30pm
Sched No 280136

WAKEFIELD
Th 5:00-7:30pm
Sched No 280143

INTEGRATED EDUCATION — OCC ED 214

This course will serve as a model for combining vocational studies and academic disciplines in a practical manner. This experience will offer vocational educational students reinforcement in the specific academic and vocational requirements of their trade. Future vocational instructors will be required to learn about all aspects of the integration of vocational and academic education. This course is a requirement of the new 36-credit vocational improvement teacher training program and is also mandated by the Carl Perkins Vocational Education and Applied Technology Act of 1990.

3 Credits, Course fee: $465

PLYMOUTH
Th 6:30-9:00pm
Sched No 202079

WAKEFIELD
Th 7:30-10:00pm
Sched No 202086

STUDENTS WITH SPECIAL NEEDS IN VOCATIONAL TECHNICAL EDUCATION — OCC ED 215

This course will provide an introduction to legislation governing the education of special-needs students in the vocational setting and to the different special-needs populations covered by special education legislation. There will be a special focus on working with these populations in the vocational setting. Teachers will prepare themselves to take a proactive role in special education team procedures and will be introduced to human service and manpower agencies that work effectively with special-needs students.

3 Credits, Course fee: $465

PLYMOUTH
M 6:30-9:00pm
Sched No 202100

WAKEFIELD
M 7:30-10:00pm
Sched No 202107

COMPUTERIZED VOCATIONAL TECHNICAL CURRICULUM MANAGEMENT — OCC ED 216

This course is designed to provide the vocational technical educator with the skills required to use the microcomputer as a tool for curriculum, classroom record-keeping, and planning. Students will adapt, modify, and incorporate the curricular resources developed within Massachusetts, including CBVE and others, into practical learning applications using the computer. In addition to offering hands-on experience with a microcomputer, the course will enable participants to blend classroom and laboratory learning, with an emphasis on integrated software and its application within a vocational technical setting.

3 Credits, Special course fee: $650

ONLINE
Sched No TBA

ASSESSMENT AND STANDARDS IN EVALUATION **OCC ED 217**

This course will expose vocational technical educators to all aspects of assessment and evaluation in light of current educational reform issues and mandates on both the state and federal levels. Areas covered will include student performance criteria; grading and testing designs; competency attainment standards and measures; student learning styles; teacher instructional styles and effectiveness; current assessment systems and instruments; special needs populations assessment and evaluation; adult learner evaluation; evaluation issues in academic and vocational integration; assessment and school-to-work transition; and tech prep evaluation.
3 Credits, Course fee: $465

PLYMOUTH
M 4:00-6:30pm
Sched No 202149

WAKEFIELD
M 5:00-7:30pm
Sched No 202156

Theatre Arts

INTRODUCTION TO ACTING I **THRART 236**

Dramatic form as required in acting. A survey of various styles: Greek, Elizabethan, Restoration and Modern; the actor's function, with emphasis on recently evolved methods of acting, and on preparation of scenes in class.
Distribution I Area: The Arts.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 2:00-5:00pm, Snowden Auditorium
Sched No 202821

Women's Studies

WOMEN, CULTURE AND IDENTITY **WOST 150**

An introductory level course examining the origins of present attitudes about women, critical analyses of women's situation in patriarchal cultures, and efforts by women to achieve a self-defined female identity. Drawing on materials from myth, religion, philosophy, anthropology, feminist analysis, literature, and autobiography, the course investigates cultural beliefs about woman's "nature" and role at different times and places, attempts to explain the origins and persistence of woman's subordination, and women's efforts to define a new identity through political and creative activity. May be taken separately from or concurrently with WoSt C100 as a first or second course in women's studies. Preference given to first and second year or transfer students.
Distribution I Area: Philosophical and Humanistic Studies.
3 Credits, Course fee: $465

BOSTON CAMPUS
S 8:15-11:15am, W-1-055
Sched No 202835

WOMEN, WORK, AND STRESS **WOST 180A**

An introductory level minicourse, which examines the relationships between women's paid and unpaid work experiences and their well-being. Drawing on material from medicine, psychology, sociology, literature and history, the course critically explores the concepts of stress, stress management, sex roles, work, wellness, and wholeness. Students are encouraged to study and evaluate their own work settings and experiences.
1 Credit, Course fee: $155

BOSTON CAMPUS
S 11:45am-2:45pm, Feb 8-April 5, W-2-124
Sched No 280038

WOMEN AND ADDICTION **WOST 180B**

This course examines the relationships between women's social roles and status and their experiences with addiction and substance abuse problems. Medical, sociological, psychological and literary materials are reviewed. The social forces that produce "addictions" and the impact of family and community addiction problems upon the lives of women are also discussed, as are approaches to reducing the harmful impact of addictions
1 Credit, Course fee: $155

BOSTON CAMPUS
S 11:45am-2:45pm, April 12-May 3, W-2-124
Sched No 280052

GRADUATE COURSES

Applied Linguistics

LINGUISTICS **APLING 601**

The nature and origin of language. The history of linguistics and its new theoretical developments. Principles of language analysis: phonology, morphology, and syntax. A systematic comparison of English structures with those of Capeverdean, French, Portuguese, and Spanish.
3 Credits, Special course fee: $695

ONLINE
Sched No 281823

Applied Sociology

PSYCHIATRIC EPIDEMIOLOGY AND FORENSIC SERVICES

This course provides professional skills to offer and understand forensic evidence and its use in courts. It begins with an overview in the latest research in psychiatric epidemiology and continues with an examination of violence. It also covers risk and recidivism among mentally ill offenders and the instruments used to assess risk.
3 Credits, Course fee: $510

BOSTON CAMPUS
M 7:00-9:30pm, Feb. 3-May 12, Room TBA
Sched No 281753

Biology

MAMMALIAN TOXICOLOGY **BIOL 666**

This course provides a background in principles of toxicology as they are applied to mammalian systems. Coverage will include: basic concepts in evaluation of poisons and their commonalities with evaluations of drugs and hormones; toxicant exposure routes, uptake, sites and mechanisms of action, storage, metabolism, activation, and clearance, toxicant role in carcinogenesis, development, endocrine, and reproductive functions; exploration of the role of diet, lifestyle and concurrent exposures; methods of toxicant evaluation with emphasis on multigeneration and high throughput testing; and environmental and medical implications of toxicant or toxin exposures on individual and ecological health. The course will cover basic tenets of toxicology but will also underline the similaries and commonalities of this science with those of endocrinology and pharmacology. It will emphasize the integrative nature of these disciplines and will feature the applied nature of toxicology as an investigative and regulatory science.
3 Credits, Special course fee: $695

ONLINE
Sched No 279492

Education: Adapting Curriculum Frameworks

CURRICULUM FRAMEWORKS FOR ALL LEARNERS: LEARNING STYLES **CSDEDU 530**

In this course, educators will deepen their understanding of the Curriculum Frameworks and the ways instruction can be designed to include all learners. This course will focus in particular on the design of standards-based programs for students with disabilities in English Language Arts.
2 Credits, Special course fee: $530

PLYMOUTH
W 4:15-7:45pm, Jan 9-Feb 12, plus Saturday, Feb 8, 8:30am-3:00pm
Sched No TBA

CURRICULUM FRAMEWORKS FOR ALL STUDENTS (MATHEMATICS, SCIENCE AND TECHNOLOGY, HISTORY AND SOCIAL SCIENCES) **CSDEDU 540**

In this module, educators will continue to develop their understanding of the Curriculum Frameworks and the ways instruction can be designed to include all learners. This module will focus in particular on the design of standards-based programs for students with disabilities in Mathematics, Science and Technology, History and Social Sciences.
2 Credits, Special course fee: $530

PLYMOUTH
W 4:15-7:45pm, March 5-April 9, plus Saturday, March 15, 8:30am-5:00pm
Sched No TBA

ASSESSMENT STRATEGIES AND PRACTICE **CSDEDU 550**

In this course, educators will focus on the connection between assessment, curriculum, and instruction. They will learn to embed assessment in their instruction and to build instruction from assessment results, including those of MCAS.
2 Credits, Special course fee: $530

ONLINE
Sched No 279632

PRACTICE INTO THEORY: HIGH STANDARDS FOR ALL LEARNERS **CSDEDU 560**

In this culminating course, educators will use all they have learned to form a philosophical basis for their work as teachers. Education reform will become a reality as teachers move beyond the mandated changes into a vision that guides their daily teaching and professional growth and development.
2 Credits, Special course fee: $530

ONLINE
Sched No 279646

Education: Teacher Education

COMPUTERS, TECHNOLOGY, AND EDUCATION — EDC G 610

An introduction to using computers and technology in education. The various uses of computers and technology in education are examined in depth as participants are introduced to a wide variety of K-12 educational software and the Internet, and explore the pedagogical issues raised by the use of computers for students, teachers, and school administrators. These include the consequences for learning; problem solving; organizing data; creativity; and an integrated curriculum. Finally, the course looks at ways in which technology may be used as a tool to facilitate changes in the ways teachers teach and students learn, and ultimately to stimulate reform in education. The course has a field component where students observe computers being used in the classroom.
3 Credits, Special course fee: $560

PLYMOUTH
Tu 4:00-6:30pm
Sched No 200903

EVALUATION AND DESIGN OF EDUCATIONAL SOFTWARE — EDC G 612

This course provides participants with methods and strategies for evaluating and designing educational software and other applications of advanced information technology.
Prerequisite: EDC G 610 or permission of instructor or graduate program director.
3 Credits, Special course fee: $560

PLYMOUTH
Th 4:00-6:30pm
Sched No 279660

Instructional Design

Note: Those enrolling in INSDSG courses offered on the Boston Campus do not pay CCDE registration and service fees (see page 4), unless they are also taking other CCDE courses. This exemption does not apply to those enrolling in INSDSG courses online or at off-campus sites.

INTRODUCTION TO INSTRUCTIONAL DESIGN — INSDSG 601

The goal of this course is to provide new and experienced professionals in both corporate and public sectors with the basic theoretical and practical skills needed to design, deliver and evaluate training. Participants will explore the theories of instructional design through readings and practical applications.
3 Credits

BOSTON CAMPUS
W 7:30-9:45pm, Jan 29-May 21, W-2-158
Special course fee: $750 (see note at beginning of this section)
Sched No 201246

ONLINE
Special course fee: $695
Sched No 279688

THE ADULT AS LEARNER — INSDSG 602

Students are introduced to the body of knowledge concerning adults as learners. This course focuses on the principles of adult education, learning styles, variables that affect adult learning, motivation techniques, appropriate training methodologies, reinforcement of learning, skill transfer, and measurement procedures for identifying learner characteristics.
3 Credits, Special course fee: $750 (see note at beginning of this section)

BOSTON CAMPUS
W 5:00-7:30pm, Jan 29-May 21, W-2-158
Sched No 278057

COMMUNICATION THEORY FOR ORGANIZATIONS — INSDSG 604

This course focuses on the study of communication as applied to instructional technology, and on theories of media communication. It covers audience variables, systems of media analysis, message structure, environmental factors, and the integration of these elements into an efficient communication model.
Prerequisites: INSDSG 601 and 602.
3 Credits, Special course fee: $750 (see note at beginning of this section)

BOSTON CAMPUS
Tu 5:00-7:30pm, Jan 28-May 20, W-2-158
Sched No 278071

WRITING FOR THE BUSINESS PROFESSIONAL — INSDSG 614

This course is designed to help participants develop effective writing. It provides both analysis of written documents and a theoretical review of professional writing techniques. Assignments emphasize the writing tasks typically required of training and development specialists in any organization. They include the design, assessment, marketing, and evaluation of instruction. Participants develop the skills for effective communication with those outside the organization, and those at all levels within it.
Prerequisites: InsDsg 601 and 602.
3 Credits, Special course fee: $750 (see note at beginning of this section)

BOSTON CAMPUS
Tu 5:00-7:30pm, Jan 28-May 20, Presentation Room 2
Sched No 281578

PRODUCTION OF COMPUTER-BASED TRAINING INSDSG 616

This course provides an introduction to creating interactive multimedia instruction. The class will use a combination of tutorial lab exercises and assignment so students can gain experience in structuring computer-based training programs, create interactions and integrate media. Digital graphics and audio production techniques will also be included in this course.
Prerequisites: InsDsg 601, 602 and 618.
3 Credits

PLYMOUTH
M 4:00-6:30pm
Special course fee: $750
Sched No 279709

ONLINE COURSE
ONLINE
Special course fee: $695
Sched No 279702

ADVANCED COMPUTER-BASED TRAINING INSDSG 617

This course reinforces and builds upon the students' basic knowledge of creating interactive applications. Students will learn how to understand and assess the capabilities of various web-based and multimedia tools, design efficient and structurally sound programs, and deliver multimedia content over various media.
Prerequisites: INSDSG 616.
3 Credits, Special course fee: $750 (see note at beginning of this section)

BOSTON CAMPUS
W 5:00-7:30pm, Jan 29-May 21, W-2-209
Sched No 278085

ASSESSMENT IN THE INSTRUCTIONAL DESIGN PROCESS INSDSG 618

This course examines assessment in all phases of the instructional design process including needs analysis and the various stages of formative and summative evaluation. Topics include various types of data, techniques for data gathering, the construction of such instruments as questionnaires, a hands-on review of computer programs, and characteristic issues in the analysis and interpretation of assessment. The course also offers practical experience in the use of representative measures and applications.
Prerequisites: InsDsg 601 and 602.
3 Credits, Special course fee: $750 (see note at beginning of this section)

BOSTON CAMPUS
Tu 7:30-9:45pm, Jan 28-May 20, W-2-158
Sched No 278099

INTERPERSONAL SKILLS AND GROUP DYNAMICS INSDSG 620

This course introduces students to the body of knowledge governing interpersonal, intrapersonal, and public communication. Through readings and laboratory method, students learn human relations skills for effectiveness in personal and career situations. The course covers topics including perception, listening, conflict resolution, and group dynamics.
Prerequisites: InsDsg 601 and 602, or permission of program director.
3 Credits, Special course fee: $750 (see note at beginning of this section)

BOSTON CAMPUS
W 7:30-9:45pm, Jan 29-May 21, Presentation Room 2
Sched No 278113

PLANNING AND DESIGN OF EDUCATIONAL MULTIMEDIA PROGRAMS INSDSG 640

This course provides an overview of the process of designing interactive multimedia instruction. Since instructional multimedia is created and delivered in a technical environment, the course covers a combination of technical and non-technical topics. We will discuss the technical environment and tools used to create and deliver multimedia instruction; the technical requirements and educational value of various media elements; how to structure multimedia experiences and how to plan multimedia projects.
3 Credits, Special course fee: $695

ONLINE COURSE
ONLINE
Sched No 201288

ASSESSMENT OF EDUCATIONAL TECHNOLOGIES INSDSG 650

This course brings the students' practical experience in computers and multimedia together with the issues of how these technologies get used in the training room. Specifically, students will examine the formative evaluation process for technology-based programs in corporate training and educational programs. By obtaining feedback from representatives of the target audience in the early stages of a product's development, the developer can assure that the courseware meets its stated goals while staying within budget. Formative evaluation plans are now a requirement by most funding sources and corporations. Students will learn these assessment procedures and apply them in a project based on a real0-world application.
3 Credits, Special course fee: $750 (see note at beginning of this section)

BOSTON CAMPUS
Tu 7:30-9:45pm, W-2-209
Sched No 279723

Public Affairs

THE NEW ENGLAND POLITICAL ENVIRONMENT **PAF G 601**

An introduction to the key contemporary systems that now constitute the environment in which legislative and executive policy-making and implementing processes work. This course is designed to provide a thorough understanding (in theory and practice) of: where, how, and by whom policy is made and implemented; how the process is/can be influenced; who pays and who benefits; and how to evaluate results (intended and actual).

3 Credits, Special course fee: $695

ONLINE COURSE

ONLINE
Sched No 279863

THEORIES AND CONCEPTS OF INTERNATIONAL RELATIONS **PAF G 631**

This course provides students with a critical assessment of the major theories and concepts which define international relations as a field of study. It has two primary goals: (1) in-depth analysis of explanatory theories (e.g., realism, idealism, structuralism, neo-liberalism, interdependence, functionalism) and of core concepts (e.g., sovereignty, national interest, collective security, balance of power); and (2) examination of the historical evolution of international systems, with focus on the modern state system and the Cold War period. Special attention is given to the processes and institutions (e.g. international law, United Nations, NGOs, international civil society) that contribute to conflict resolution and international cooperation. Ultimately, this course provides the foundations (conceptual, historical, theoretical) that graduate students in International Relations need as a preparation for the curriculum's more specialized and advanced courses.

3 Credits, Special course fee: $695

Credit for this course may be counted toward the MS in Public Affairs-International Relations Track, but completion of the course does not imply admission to the degree program.

ONLINE COURSE

ONLINE
Sched No 281592

CONTEMPORARY ISSUES IN WORLD POLITICS **PAF G 632**

This seminar focuses on current, major issues with an international dimension and/or global impact and with salience for the emerging patterns of world politics. While engaging in critical analysis of current issues, the primary objective is to examine the broader conceptual context and analytic framework which explain interactions among nations. Weekly reports based on assigned readings as well as a major research paper pursue distinct goals: the critical utilization of concepts; the refinement of analytic tools; the examination of different perspectives (national, international, global community); policy analysis.

3 Credits, Special course fee: $695

Credit for this course may be counted toward the MS in Public Affairs-International Relations Track, but completion of the course does not imply admission to the degree program.

ONLINE COURSE

ONLINE
Sched No 281606

Spanish

PERSPECTIVES ON THE SPANISH-SPEAKING LANGUAGE CLASSROOM **SPAN 503**

This course, taught entirely in Spanish with occasional reading in English, is specifically designed for pre-service and in-service teachers of Spanish. It will examine the various geographic and cultural traditions that make up today's Spanish-speaking worlds. In so doing, the course will prepare teachers to develop connections between course content and the Massachusetts Curriculum Framework for Foreign Languages and the National Standards for Foreign Language Teaching. The course is interdisciplinary. Topics to be studied in depth include issues of national and cultural identity, social life, and cultural production.

3 Credits, Special course fee: $695

ONLINE COURSE

ONLINE
Sched No 280892

CITIES OF LIGHT AND SHADOW: URBAN EXPERIENCES IN LATIN AMERICA **SPAN 516**

This course, taught entirely in Spanish with occasional readings in English, is specifically designed for pre- and in-service teachers of Spanish. It will examine various representations of the city in Spanish American literature. In so doing, the course will prepare teachers to develop connections between course content and the Massachusetts Curriculum Framework for Foreign Languages and the National Standards for Foreign Language Learning. This class will provoke a comparison between urban experiences in Latin America and similar experiences in the United States. It will also include an overview of the main moments in Spanish American literature when cities came to represent social, economic and demographic tensions that redefined national and regional identities. The class also includes a unit on the literature of Hispanic people in the U.S. since the urban experience is a central theme to this literature.

3 Credits

BOSTON CAMPUS
Tu 6:00-9:00pm,
Presentation Room 3
Special course fee: $650
Sched No 280906

PLYMOUTH (via Picture-Tel)
Tu 6:00-9:00pm
Special course fee: $695
Sched No 280913

Technical Education

WEB DESIGN FOR EDUCATORS **PRFDVL 5V06**

One of the most important innovations in recent years for educators has been the Internet. The ability to locate and reference resources from the World Wide Web is allowing teachers to gather and infuse information in ways that were unheard of a decade ago. This course is designed to instruct educators in Web site design through an understanding HFTML and the Web editing package, Dreamweaver. Teachers will learn not only how to create Web pages, but also how to develop a site that will support the educational frameworks of their disciplines.

3 Credits, Special course fee: $695

ONLINE COURSE

ONLINE
Sched No 279933

Online Courses

Our online courses have been developed by UMass Boston faculty and are being delivered with the technological assistance of Prometheus.com, one of the nation's most experienced and respected online service providers.

A list of online courses available this spring can be found on page 12. Descriptions and schedule information for these courses are available in the main course listings on pages 14-36, where online courses are marked with the symbol at left.

You can register for these courses just as you would for any other credit course, using the registration form on page 56, following the instructions on page 3; if you register by mail or fax, please be sure to clearly print your Email address.

Registered online students will receive a confirmation of registration in the mail AND a notification about a week before the course is due to start, giving password, Login ID and location of the login gateway website. This notification will come both as an Email to the account given at registration and by surface mail.

Our online courses mostly follow a thirteen-week schedule (weeks of Feb 3-May 5). More information can be found in the Academic Calendar (inside front cover).

As an enrichment of the online learning experience, each of these courses will include two on-campus class meetings, to be scheduled at the convenience of the students and instructor. Students unable to attend will be given alternative opportunities for enrichment.

Technical requirements for participating in online courses can be found on our website at www.conted.umb.edu/dl.

FURTHER INFORMATION

If you need further information about UMass Boston online courses, contact Kitty Galaitsis (617.287.7925; katharine.galaitsis@umb.edu) or visit www.conted.umb.edu/dl.

Online Degree and Certificate Programs

Several of our degree and certificate programs can be completed entirely or primarily through online study, including the following:

DEGREE PROGRAMS

- MEd in Mental Health Counseling
- MEd in School Guidance Counseling

In addition, selected courses in the following degree programs are offered online this spring:
- MEd in Instructional Design
- MS in Public Affairs—International Relations Track

UNDERGRADUATE CERTIFICATES

- Communication Studies
- Community Media and Technology
- Technical Writing

GRADUATE CERTIFICATES

- Adapting Curriculum Frameworks for All Learners
- Instructional Technology Design

Further information about these programs is available on pages 38-41.

Videoconferencing (Picture-Tel) Courses

These courses are offered in a videoconferencing format, by which students at remote sites may participate in a lecture class via real-time two-way video, with the technical assistance of UMass Boston's Multi-Site Education (MUSE) program. If your organization is interested in having courses delivered to a remote location by videoconferencing technology, please contact Kitty Galaitsis (617.287.7925; katharine.galaitsis@umb.edu).

More Online Learning Opportunities: umassonline.net

Online courses from throughout the University of Massachusetts system can be accessed through UMassOnline, your gateway to the UMass world of excellent & affordable online education. For more info, please visit: umassonline.net.

CCDE degree and certificate programs serve a multitude of needs for a variety of participants: undergraduate and graduate students, working professionals who need to update or expand their qualifications, and those seeking to pursue a new career path. Some of these programs are sequences of undergraduate or graduate credit courses; some are professional career enhancement programs that do not carry academic credit; some offer preparation for third-party certification.

Some of these certificates can be earned entirely through online courses; these are indicated with an asterisk(*).

The following degree and certificate programs are currently offered either entirely or in part through the Division of Corporate, Continuing and Distance Education:

DEGREE PROGRAMS

- MEd in Instructional Design
- MEd in Mental Health Counseling*
- MEd in School Guidance Counseling*

UNDERGRADUATE CERTIFICATES

- Communication Studies*
- Community Media and Technology*
- Geographic Information Technologies
- Spanish/English Translation
- Technical Writing*

GRADUATE CERTIFICATES

- Adapting Curriculum Frameworks for All Learners*
- Database Technology
- Dispute Resolution
- Forensic Services
- Instructional Technology Design*
- Orientation and Mobility
- Teaching of Spanish
- Teaching of Writing
- Women in Politics and Public Policy

PROFESSIONAL CERTIFICATES

- Alcoholism/Chemical Dependency Treatment Services
- Continuous Improvement/Lean Manufacturing
- Human Resource Management
- Project Management**
- Spanish Court Interpretation

INFORMATION TECHNOLOGY CERTIFICATES

- Web Design
- Web Programming: Building Internet Applications
- Microsoft Certified Systems Administrator (MCSA)**
- A+**
- Network+**

* = available online
** = preparation program for 3rd-party certification

DEGREE PROGRAMS

MEd in Instructional Design

UMass Boston's MEd Program in Instructional Design offers a practical master's degree that is deal for career professionals engaged in the education, training, and development of adult learners in the workplace. The 36-credit program combines a total of 12 courses and submission of a thesis. An independent study and a field experience may be included. Students complete 5 required courses and choose electives from other offerings with the program or from a wide range of graduate offerings throughout the university.

Three courses in the program will be offered online in spring 2002. They are offered on an open-enrollment basis, but completion of these courses does not imply acceptance into the degree program. However, upon admission into the program, students may transfer up to six credits into the degree program. In addition students must have a B in each course being transferred, and the course must have been taken within the last seven years.

For more information, contact dianne.nerboso@umb.edu.

Online MEd in Mental Health Counseling

The Department of Counseling and School Psychology is offering a master's degree in Mental Health Counseling primarily online. It is a 60-credit master's which meets the academic requirements for licensure in the state of Massachusetts as a Mental Health Counselor (there are additional post graduate clinical experience requirements for licensure). Students complete a series of general counseling courses and courses specific to mental health counseling. In addition, students complete field experiences in mental health settings through practicum and internship. The field experiences may be completed in local agencies of program students and they will be supervised via conference calls and online chats.

For more information, contact Rick Houser in the Graduate College of Education at 617.287.7668 or Email to rick.houser@umb.edu.

Online MEd in School Guidance Counseling

The Department of Counseling and School Psychology is offering a master's degree in School Guidance Counseling primarily online It is a 60-credit master's which meets the academic requirements for certification in the state of Massachusetts as a Guidance Counselor. Students complete a series of general counseling courses and courses specific to guidance counseling. In addition, students complete field experiences in school settings through practicum and internship. The field experiences may be completed in local schools of program students and they will be supervised via conference calls and online chats.

For more information, contact Rick Houser in the Graduate College of Education at 617.287.7668 or Email to rick.houser@umb.edu.

UNDERGRADUATE CERTIFICATES

Communication Studies

The Communication Studies Program provides matriculated and non-matriculated students with opportunities to develop skills in the use of communication media and in the critical analysis of communication. Designed to complement the student's major field of study, the Communication Studies Program helps participants learn to analyze and understand the communication process—a valuable skill to have in any field the student may choose to enter.

Students in the Communication Studies Program complete a sequence of eight courses (24 credits): two foundation courses and six elective courses distributed over three areas of communication study. Because of the wide range of choices, each student interested in this program is expected to meet with the Program Director to develop his/her specific course sequence.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.conted.umb.edu/certificates.

Community Media & Technology

This two-semester, six-competency, 18-credit certificate program is designed to provide students with the key competencies they need to incorporate a range of multimedia tools into their primary responsibilities as labor activists, community organizers or agency professionals. Students in the certificate program complete the following requirements: media literacy; community action; analyzing media; media and community building; using technology; and developing a media strategy.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.conted.umb.edu/certificates.

Geographic Information Technologies

This 18-credit certificate program is intended for professionals in all fields who deal with geographical data requiring spatial analysis—for example, environmental scientists, health researchers, or marketing/sales professionals.

The certificate comprises courses that teach the concepts, principles, techniques and applications of computer and analytical cartography, remote sensing and digital image processing, Geographic Information Systems (GIS), Global Positioning Systems (GPS), and digital or softcopy photogrammetry. Currently it concentrates in three areas: cartography, remote sensing and GIS.

For more information, contact Kitty Galaitsis (tel 617.287.7925, Email katharine.galaitsis@umb.edu) or visit www.conted.umb.edu/certificates.

Spanish/English Translation

This 12-credit certificate program has been designed to meet the increasing local, national, and international demand for professionals, educators, and students interested in meeting the challenges of modern multicultural, multilingual societies. Participants will explore the history, principles, theory, and practice of oral and written translation. They will practice the techniques of legal, medical, technical, general, and literary translation and learn to use specialized dictionaries and other essential reference materials. They will also improve their knowledge of English and Spanish syntaxes, morphologies, and semantic systems.

The program comprises two six-credit courses: Span 408, Advanced Techniques and Skills for Translation, and Span 409, Advanced Practice of Translation.

For more information, contact Kathy FitzPatrick (tel. 617.287.7913; Email kathleen.fitzpatrick@umb.edu) or visit www.conted.umb.edu/certificates.

Technical Writing

Technical writers translate scientific research into clear, correct, unambiguous English. Computer manufacturers in metropolitan Boston employ college graduates to write manuals on how to use their programming languages and hardware. The Program in Technical Writing (Computer Science) prepares students for these careers by linking the Department of English offerings in expository writing with courses from the Department of Mathematics and Computer Science, and with an internship in the industry.

The program consists of four required courses, plus one elective in communication, English, mathematics or computer science, to be approved by the program director. Finally, when the student is close to completing the required courses, he or she will sign up for a three-credit internship.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.conted.umb.edu/certificates.

GRADUATE CERTIFICATES

Adapting Curriculum Frameworks for All Learners

This 18-credit certificate program is designed to provide educators with a working knowledge of practical applications of the principles and elements of Education Reform for the instruction of a diverse student population. The certificate combines current research, policy, and instructional practices, presented by faculty who are actively involved in changing the public school environment in Massachusetts.

For more information, contact Mary Brady (tel. 617.287.7254; Email mary.brady@umb.edu) or visit www.conted.umb.edu/certificates.

Database Technology

This 12-credit certificate program is geared towards programmers and software professionals who wish to acquire a systematic education in database technology. It provides a solid anchoring in state-of-the-art database technology and trains students to become database application developers or database administrators. A bachelor's degree is required. The candidates should have substantial programming experience; knowledge of databases is not expected.

For more information, contact Kathy FitzPatrick (tel. 617.287.7913; E-mail kathleen.fitzpatrick@umb.edu) or visit www.conted.umb.edu/certificates.

Dispute Resolution

The 18-credit Graduate Certificate in Dispute Resolution is intended for people whose employment requires them to cope with conflict, and who feel that training in negotiation, mediation, or designing conflict resolution mechanisms would be useful. The curriculum focuses on conflict in communities, and in organizations such as state and local government, hospitals, labor groups, universities, courts, corporations, and schools.

The program comprises four three-credit courses and the six-credit mediation internship. All courses are taught and supervised by UMass Boston faculty with extensive mediation experience. With approval from the department, credits earned in the certificate program can be applied toward the Master of Arts in Dispute Resolution.

For more information, contact Amy Gay (tel 617.287.7415, fax 617.287.7099, Email amy.gay@umb.edu) or visit www.conted.umb.edu/certificates.

Forensic Services

Intended for criminal justice and mental health professionals, this 16-credit graduate certificate program is designed to provide a strong grounding in behavioral sciences, while at the same time offering practical skills and competencies in mental health and criminal justice, which will enable students to serve as effective professionals in a variety of social service environments. Forensic Services broadly encompass criminal investigation, social science research, law, and the workings of related social service systems.

For more information, contact Kathy FitzPatrick (tel. 617.287.7913; E-mail kathleen.fitzpatrick@umb.edu) or visit www.conted.umb.edu/certificates.

Instructional Technology Design

This 15-credit graduate certificate program is designed to meet the increasing challenges created by the high technology training needs of academic, corporate, and public educators. It is intended for instructional designers, training professionals and instructional technologists responsible for the design, development and management of technology-based learning programs. Educators will also find that the coursework in this program will enable them to better serve their audience. Coursework will include a balance of instruction and discussion, lab time and design teams producing multimedia projects.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.conted.umb.edu/certificates.

Orientation and Mobility

The Certificate Program in Orientation and Mobility (O/M) is a sequence of 19 credits offered through the Graduate Special Education Program for those individuals interested in obtaining certification in O/M from the international professional organization AER (Association of Education and Rehabilitation of Individuals Who Are Visually Impaired/Blind). The certificate program is designed for vision teachers or other vision professionals to provide the specialized assessment and instructional skills needed by teachers to enable children and/or adults with visual impairments to function safely and confidently in a variety of environments while effectively using their remaining senses to orient themselves.

For more information, please contact Robert McCulley, M.Ed., Program Coordinator, at 617.287.7623, or Glenn Mitchell, Ph.D., Academic Advisor, at 617.287.7620.

Teaching of Spanish

This eighteen-credit graduate certificate program has been designed to address the needs of pre-service and in-service teachers who need to improve or enhance their skills in the field of Spanish.

The certificate offers a flexible course of study combining both new and traditional methods of teaching the Spanish language with presentations of geographic and cultural material that reflect the traditions that make up today's Spanish speaking worlds. The certificate program also introduces the latest uses of technology in the classroom and methods of assessment.

For more information, contact Kathy FitzPatrick (tel. 617.287.7913; E-mail kathleen.fitzpatrick@umb.edu) or visit www.conted.umb.edu/certificates.

Teaching of Writing

This 15-credit graduate certificate program is designed for K-12 teachers and administrators in all subject areas who want to learn strategies to strengthen students' writing and thinking skills, develop expertise in teaching writing and literacy across the curriculum, gain a deeper understanding of literacy learning, and improve their own writing. Participants will examine current readings in composition, literacy and writing pedagogy, share successful teaching practices, develop and implement curriculum, and document the effects of their teaching by collecting and analyzing student work.

For more information, please contact John Mulrooney, Boston Writing Project (tel 617.287.7665, fax 617.287.7664) or visit www.umb.edu/research/bwp.

Women in Politics and Public Policy

The Program for Women in Politics and Public Policy is a one-year graduate certificate program designed to encourage and train women from all walks of life for significant political participation in careers in public management, research, policy-making, consulting, planning, and administration. The program offers a unique combination of graduate-level academic work in policy studies, analytical and research skills, and carefully supervised professional field work in addition to advising, counseling, and career development services. The program begins in September and runs through May.

Students in the program earn credits from UMass Boston's MA program in American Studies; eligible graduates of the program may be accepted for admission with advanced standing into the American Studies Program, or into the University's MS Program in Public Affairs.

Students are required to complete eighteen credits for the certificate: nine credits in course work, six credits for the internship, and three credits through the final case-study project.

The program welcomes applicants of diverse backgrounds with a wide variety of undergraduate majors. To be eligible for admission, the applicant must: 1) hold a bachelor's degree or its equivalent; 2) submit an official transcript; 3) arrange for a personal interview with program staff; 4) submit a completed application with fee; 5) submit two written recommendations.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.conted.umb.edu/certificates.

Alcoholism/Chemical Dependency Treatment Services

Alcoholism/chemical dependency treatment agencies are among the newest elements of our nation's health care delivery system. Like clinics for the aging and mental health and well-child clinics, alcoholism/chemical dependency treatment agencies are now employing professional managers, counselors, and service providers. Anyone who wishes to pursue a career in the treatment of alcoholism/chemical dependency should be familiar with the functions, policies, and treatment populations of a complex network of treatment agencies, and must also possess the knowledge, skills, and techniques needed for the successful treatment of individuals and families afflicted by alcoholism or chemical dependency. UMass Boston's Alcoholism/Chemical Dependency Treatment Services Program aids in the professional development of people involved in this important and growing health care service field.

The professional development sequence consists of five courses and a practicum. The courses explore the nature of alcoholism/chemical dependency, its treatment, and the ways treatment agencies function; the practicum involves supervised experience in a licensed facility. Participants who complete the five required courses and the practicum receive a certificate of recognition.

Three of the courses required for the certificate meet each fall and spring semester on Saturdays, for the convenience of working students. Other courses meet late in the afternoon and early in the evening. Practicum hours (about fifteen per week) are arranged to fit participants' schedules. A two-day pre-practicum workshop is conducted each semester just prior to the practicum so that the participants can synthesize knowledge gained in their course work and mobilize it for their practicum experience.

The program is now offered in three locations: at our main campus in Boston and at our professional development centers in Westborough and Plymouth.

The fee for most of the courses in the program is $380. The fee for the pre-practicum workshop is $275; the fee for the practicum is $1,325. Total program cost is $3,500.

Those wishing to enter the professional development sequence leading to the certificate are required to meet with the program director prior to registering.

FURTHER INFORMATION

For more information, or to arrange an interview, please contact Reca Quarles (tel 617.287.7900, Email reca.quarles@umb.edu).

Continuous Improvement/ Lean Manufacturing

This exciting hands-on program, offered by the Division in collaboration with the Greater Boston Manufacturing Partnership, provides manufacturing professionals with the tools and knowledge to implement Continuous Improvement in the factory. Participants will master the critical steps which management can take to assure dramatic, continuing improvements. Managers will gain an overview of Lean Manufacturing/Continuous Improvement methods.

The six-day program consists of the following modules:

- Introduction to Continuous Improvement
- Value Stream Mapping
- Developing the Improvement Plan
- 5-S: Laying the Foundation for Improvement
- Visual Control Systems
- Pokayoke (Mistake Proofing)
- Set-Up Time Reduction
- Pull Systems
- Levelized Production and Continuous Flow
- Implementing Successful Kaizen Events
- Problem Solving Tools for Continuous Improvement Teams
- Establishing a Continuous Improvement Culture
- Rewards/Recognition
- Top Management Responsibilities

Program Fee: $2,200.

BOSTON CAMPUS
Tu 9:00am-4:30pm, May 20-June 24
Sched No TBA

WESTBOROUGH
Tu 9:00am-4:30pm, March 25-April 29
Sched No TBA

For more information, please contact Katie Brenton (tel 617.287.7876, fax 617.287.7297, Email katie.brenton@umb.edu) or visit www.conted.umb.edu/corporate_training.

Human Resource Management

The Certificate Program in Human Resource Management is designed for those seeking an overview of the human resource function and its strategic role in today's organization. The program is recommended for general managers and supervisors, new human resource professionals, and others interested in developing practical skills in human resource management.

The program consists of the following modules, focusing on skills and competencies set forth by regional and national associations as core requirements for individuals working as human resource professionals:

- Management Practices
- General Employment Practices and the Legal and Regulatory Environment
- Compensation with Benefits
- Human Resources Development, Performance, Management, and Employee Relations
- Labor Relations
- Health and Safety
- Strategic Human Resource Management

Program Fee: $1,950.

PLYMOUTH
S 9:00am-1:00pm
Feb 1-May 24
Sched No 19161-33

For more information, please contact Susan Griffin (tel 617.287.7876, fax 617.287.7297, Email susan.griffin@umb.edu).

Office Technology

This intensive certificate is intended to provide participants with hands-on training in the latest XP version of the industry-standard Microsoft Office suite, including Word, Excel, Access, PowerPoint and Outlook. Participants will acquire an expected level of knowledge and skills required in office settings today. In addition, the curriculum objectives mirror the requirements for taking the Microsoft Office Specialist certification exam, the recognized measurement of desktop expertise. Participants should be ready to take these certification exams at the end of the program and join one of the most highly demanded new certification groups in the market.

Program Fee: $1850

PLYMOUTH
March 4-May 8 (No class Mar 18, Mar 20)
TuTh 9:00am-4:30pm
Sched No 63101-33

Project Management

Effective project management skills are a requirement for strategic and tactical success. All too often managers are placed in the position of leading projects without the competencies necessary for success. Our Project Management certificate program, offered in partnership with Provant Project Management, is based on a comprehensive planning and control process that provides practical techniques for successfully completing projects within time and budget constraints.

The program is offered at our main campus in Boston, our I-495 Center for Professional Education in Westborough, and our Cordage Park Corporate and Continuing Education Center in Plymouth. Current schedule information is available on the Web:

www.conted.umb.edu/corporate_training

For more information, please contact Katie Brenton (tel 617.287.7876, fax 617.287.7297, Email katie.brenton@umb.edu).

Spanish Court Interpretation

(Next offered Fall 2003)

This professional certificate has been specially designed to carefully train participants in the field of court interpretation and to help prepare them to take the State Certification Exam for the state of Massachusetts. Upon successful completion of the program, a certificate from the Division of Corporate, Continuing and Distance Education at UMass Boston will be awarded.

For more information, or to apply, contact Kathy FitzPatrick (tel 617.287.7913; E-mail kathleen.fitzpatrick@umb.edu) or visit www.conted.umb.edu/certificate_programs.

Refunds

Registered participants who withdraw from the Continuous Improvement/Lean Manufacturing, Human Resource Management, Office Technology, or Financial Operations for Small and Mid-Sized Businesses certificate programs will be granted a refund according to the following schedule:

Withdrawal prior to first class meeting, 100% refund; withdrawal after first class meeting, refund by permission of program director only.

Financial Operations for Small and Mid-Sized Businesses

Running a company is a difficult task. Most time and energy is spent in a frantic manner on a daily basis to produce your product, meet deadlines, address employee issues and whatever other crises develops. Not much time is left for developing and implementing financial systems, human resources, marketing plans, budgets, monetary controls and various other office functions.

We recognize that most entrepreneurs have not been exposed to the formal controller/CFO functions that a growing company needs. Our goal is to help you build on your existing knowledge of company support operations. This program is designed to assist companies in identifying deficiencies in their organization, explore options and discuss tools for solutions. At the program's completion, you should be better prepared to meet your support-function challenges in a more time efficient manner.

The program is made up of the following ten modules:

- Financial Reporting, Forecasting and Budgeting
- Review of Billing and Payable Systems
- Implementing a Proposal System
- Class Project: New work lead, what do we do?
- Fraud Control
- Management Training, Myer-Briggs Testing
- Information Transfer and Communications Systems
- Investments and Insurance
- Employee Benefits
- Financial Ethics and Topical Issues

Program Fee: $950

PLYMOUTH
S 9:00am-12:00pm
Feb 27-April 3
Sched No 63071-33

Professional Seminars

THE MANAGEMENT CHALLENGE SERIES

The Management Challenge Series is a series of timely and incisive seminars examining the issues managers face in today's ever-changing business world. Concentrating on real-life problems and workable solutions, the seminars take a hands-on approach to the topics examined.

The seminars are conveniently scheduled and presented at the UMass Boston campus and at our Corporate and Continuing Education Center in Plymouth.

Seminars are presented on a regular basis and are announced well in advance of the presentation dates.

Participation in the seminars will provide managers with insight and knowledge that will assist them in the difficult tasks of exercising a decision role in influencing the actions and conduct of people and organizations.

For more information, please contact Susan Griffin (tel. 617.287.7876, fax 617.287.7297, E-mail susan.griffin@umb.edu)

it@umb

Skills in Information Technology are now a requirement for success in almost any field. Opportunities exist for people at all stages of their careers with organizations of all kinds continuing to invest strongly in IT. Whatever area of IT these jobs fall in and whatever their level, all share one element – higher education or certification in an IT track has become arguably the most significant measure by which employers evaluate potential candidates for jobs and promotions. Look at the following classes and programs and see how they match up against your goals!

A+

A+ Certification is a CompTIA-sponsored testing program that certifies the competency of entry-level (6 months experience) computer service technicians. The A+ test contains two exams (Core Hardware and Operating Systems) with situational, traditional, and identification types of questions. All of the questions are multiple choice with only one correct answer for each question. The test covers a broad range of hardware and software technologies, but is not bound to any vendor-specific products.

The program is backed by major computer hardware and software vendors, distributors, resellers and publications. A+ certification signifies that the certified individual possesses the knowledge and skills essential for a successful entry-level (6 months experience) computer service technician, as defined by experts from companies across the industry. In addition, the A+ can be used together with the Network+ to satisfy one of the elective requirements in Microsoft's new MCSA track (Microsoft Certified Systems Administrator).

Content of the program is as follows:

A+ Core Hardware
- Introduction to Microcomputers
- Safety
- System Components
- Bus Architectures
- Ports, Connectors, and Cables
- Expansion Boards
- Storage Systems
- Peripheral Devices
- Portable Computing
- Networking

A+ OS Technologies
- Overview of the MS-DOS Operating System
- Introduction to the Windows 9x Family of Products
- Introduction to Windows 9x Networking
- Windows 9x Architecture
- Supporting Printers
- Troubleshooting Windows 9x
- Introduction to the Windows 2000 Family of Products
- The Windows 2000 Boot Process
- Windows 2000 System Administration Basics
- Introduction to Networking with TCP/IP
- Name Resolution Services
- Customizing a Windows 2000 Installation
- Managing Network Printing
- Managing Hard Disks and Partitions
- Monitoring and Troubleshooting Windows 2000

Program Fee: $3,200

BOSTON CAMPUS
Jan 6-Feb 26 (No class Jan 20 and Feb 17)
MW 6:30-9:30pm, S 9:00am-4:00pm
Sched No 29551-33

PLYMOUTH
April 7-May 24
MW 6:45-9:30pm, S 9:00am-4:30pm
Sched No 29552-33

Network+

The Network+ certification provides a basic, but thorough, grounding in all aspects of networks. As such, it complements the A+ Certification and certifies that the successful candidate knows the layers of the OSI model, can describe the features and functions of network components and has the skills needed to install, configure, and troubleshoot basic networking hardware peripherals and protocols. In addition, the Network+ can be used together with the A+ to satisfy one of the elective requirements in Microsoft's new MCSA track (Microsoft Certified Systems Administrator).

Topics include but are not limited to:

Basic network structure
- Physical layer
- Data link layer
- Network layer
- Transport layer
- TCP/IP
- Remote access
- Security

Administering a network
- Installation
- Changing network systems
- Supporting and maintaining a network
- Troubleshooting

Program Fee: $1,260

BOSTON CAMPUS
June 10-26
TuTh 6:30-9:30pm, S 9:00am-4:00pm
Sched No 29641-43

Microsoft Certified Systems Administrator (MCSA) with A+ and Network+

The new Microsoft Certified Systems Administrator (MCSA) credential is the certification for professionals who implement, manage and troubleshoot existing network and system environments based on the Microsoft Windows 2000 platform. Implementation responsibilities include installing and configuring parts of the systems. Management responsibilities include administering and supporting the systems. Candidates for this exam work in medium to very large computing environments that use Microsoft Windows 2000 network and directory services.

The program is made up of five courses mapping to six exams. Three of these courses map to three Microsoft exams (70-210, 70-215 and 70-218). 70-210 and 70-215 are taken together as material from both is necessary to pass the two exams that they prepare for. 70-218 can be taken individually and the other two courses, A+ and Network+, also form independent programs and are described in another section. You will finish this program with three important industry certifications, and a powerful blend of vendor and vendor-neutral qualifications. The Microsoft, A+ and Network+ components can be taken in any order except that 70-210 and 70-215 are prerequisites to 70-218.

All three MCSA Microsoft classes can later be applied to the Microsoft Certified Systems Engineer.

1. MCSA Core
   Network and Operating Systems Essentials (70-210)
   Installation and Administration (70-215)
2. Managing a Microsoft Windows 2000 Network Environment (70-218)
3. CompTIA A+ (For schedule and description see separate section)
4. CompTIA N+ (For schedule and description see separate section)

MCSA Core (70-210/70-215)

Program Fee: $2,810

BOSTON CAMPUS
March 4-April 10, TuTh 6:30-9:30pm, S 9:00am-4:00pm
Sched No 50611-33

PLYMOUTH
Jan 6-Feb 15, MW 6:00-9:00pm, S 9:00am-4:00pm
Sched No 50612-33

MCSA Managing a Windows 2000 Network Environment (70-218)

Program Fee: $1,720

BOSTON CAMPUS
April 15-May 8, TuTh 6:30-9:30pm, S 9:00am-4:00pm
Sched No 50611-43

PLYMOUTH
Feb 22-March 15, MW 6:00-9:00pm, S 9:00am-4:00pm
Sched No 50613-33

Web Design

Prepare for an exciting new job in 120 hours!

This certificate is designed to prepare you for immediate employment in the web industry by mirroring most closely the demands and practices of real-world employment. The syllabus is task-oriented and develops in stages as a real project would, through planning, design, production, testing, publication and site enhancement and marketing. You learn to use industry standard software packages—Adobe Photoshop, Macromedia Dreamweaver, Flash—but integrated into a production process, not just for their own sake. The program ends with a capstone project, a website which you present under realistic conditions to a group of outside professional webmasters.

Program topics will include:

- Introduction to the Internet and Web
- Planning the Site
- The Design Process
- The Production Process
- Testing and Publishing
- Adding Dynamic Elements to Web Pages
- Site Enhancement with Macromedia Flash
- Marketing and Other Professional Issues
- Final Project

Program Fee: $4,560

PLYMOUTH
Jan 6-March 19
MW 6:00-9:00pm, S 9:00am-4:00pm
Sched No 50221-33

Web Programming: Building Internet Applications

The World Wide Web is constantly evolving new technologies such as XML and new applications such as e-commerce. This program will introduce you to the most important Web technologies and show you how to use them to build both client-side and server-side applications. You will take with you into the marketplace immediately useful skills to show an employer, including code examples. This program is suitable for beginners but due to the intensive nature of the work a high degree of motivation is needed from participants including the will and ability to work independently outside class. The program finishes with a capstone project which will form the basis of your programming portfolio.

Program elements include the follwing:

- HTML, XML, and the World Wide Web
- Cascading Stylesheets
- An Introduction to JavaScript
- Objects in JavaScript
- Dynamic HTML with JavaScript
- Programming in Perl *5*
- CGI Scripting
- Building Web Applications with Perl
- An Introduction to PHP
- Active Server Pages and Java
- XML: Defining Data for Web Applications
- Good Design
- Useful Software
- Protocols
- Project

Program Fee: $4,560

BOSTON CAMPUS
Tu 6:30-9:30pm, S 9:00am-4:00pm
Jan 7-April 8
Sched No 60101-33

Introduction to Macromedia Flash MX

This intensive three day program provides participants with a head start with Macromedia Flash MX, the leading Multimedia technology on the Web. Participants will learn how to utilize Flash's drawing and animation tools in a hands-on, project-orientated curriculum that stresses real-world Flash design and usability. You will learn the basics of key-frame animation, navigation, basic interactivity and will be introduced to ActionScript, Flash's built in scripting language.

Program Fee: $900

PLYMOUTH
Feb 12-14
WThF 9:00am-4:30pm
Sched No 50132-33

Flash MX ActionScripting

Participants will take their Flash knowledge to the next level with this three-day introduction to ActionScripting. You will learn to go beyond linear animation to create powerful, interactive Flash movies. You will use ActionScript to control both the Flash Movie and the user experience, and will walk away with not only the knowledge and experience needed to create dynamic and interactive Flash movies, but also a useful library of code for use in future projects.
Prerequisites: Basic Flash knowledge.

Program Fee: $900

PLYMOUTH
March 26-28
WThF 9:00am-4:30pm
Sched No 50131-33

Flash MX Advanced ActionScript and UI Design

ActionScript training for the advanced Flash user! Get up to speed on the new ActionScript features in Flash MX. Learn how to go beyond procedural programming and introduce elements of object orientated design into your scripting. Learn about Flash Components and how to create and package them. Use Flash with XML and exchange data with web servers. Create sophisticated user interface elements and learn how to increase usability and accessibility in your designs.
Prerequisites: Basic ActionScript knowledge.

Program Fee: $1250

BOSTON CAMPUS
April 16-18
WThF 9:00am-4:30pm
Sched No 50134-33

Flash Communication Server

Get up to speed with the latest in Flash development! Using Flash MX as a development tool, participants will learn how to create sophisticated web applications that use the Flash Communication Server to exchange data, sound and video with other users. Build Instant messaging applications and video conferencing systems. Learn how to add real time chat to any Flash movie. Use the Communication server to deliver live content to your Flash movies, or to send out rich streaming video broadcasts. Students will leave with invaluable sample code to help them make their own applications.
Prerequisites: Advanced ActionScript knowledge.

Program Fee: $2750

BOSTON CAMPUS
March 4-6
TuWTh 9:00am-4:30pm
Sched No 50

Introduction to Java and Computer Science

This class will provide an introduction to Java at the same time illustrating the basic issues of Computer Science. Topics covered will include:

- Basic hardware and software organization of computer systems
- Java syntax notation
- Computations and basic arithmetic operators of Java
- Methods, method invocation, parameter passing and method results; scope issues
- Basic IO package: input and output streams and output formatting.
- Control structures
- Boolean and char types
- Classes including class interactions and information hiding
- Software development, including the seven phases of the software development life cycle
- String classes and special processing for text manipulation
- One- and two-dimensional array; standard array processing techniques

Within the limits of one class, this offering delivers a thorough introduction to a broad range of Java features and a comprehensive foundation for further study of the language.

Program Fee: $1,596

PLYMOUTH
March 29-May 10
S 9:00am-4:00pm
Sched No 29561-33

Self-Paced Online Study

We are pleased to offer for the first time online self-paced study in a wide variety of Information Technology topics, including Microsoft Office User Specialist (MOUS), Certified XML Expert, JCert Certification in Java, and C# among others. These courses are offered with our partner Active Education, which has wide experience in offering training programs in this format. For further information please see our web pages at http://www.conted.umb.edu/it.

Other Programs of Interest

IT CREDIT COURSES

The University also offers credit courses on IT topics through its academic departments; for information on spring 2003 IT credit courses, see page 21.

OFFICE TECHNOLOGY CERTFIICATE

This certificate program offers intensive training in the Microsoft Office application suite and preparation for the Microsoft Office Specialist exam. See page 43.

Further Information

For information about upcoming IT programs, please see our website at http://www.conted.umb.edu/it or contact:

Katie Brenton, Information Specialist
Email: it@umb.edu
Phone 617.287.7876
fax 617.287.7297

To schedule an individual counseling session, please call:

Stuart Phillips
Assistant Director of Professional Training Programs
Email: stuart.phillips@umb.edu
Phone: 617.287.7289

Refunds

Registered participants who withdraw from any of the Information Technology programs on pages 45-48 will be granted a refund according to the following schedule:

Withdrawal prior to first class meeting, 100% refund; withdrawal after first class meeting, refund by permission of program director only.

Graduate Test Preparation Courses

Developed in conjunction with the Office of Career Services, these review courses offer preparation for the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT), and Law School Admission Test (LSAT), providing intensive classroom sessions that cover all sections of each exam. Each course involves extensive exam practice, including a full-length practice test given under exam conditions. All courses meet at our main campus in Boston. Enrollment is limited. Please register early, using the form on page 55.

Note: Additional sections of grad prep courses are being added as this publication goes to press. For an up-to-date schedule, call 617.287.7914.

REVIEW FOR THE GRADUATE RECORD EXAMINATION (GRE)

We will still offer regularly scheduled prep courses; however, the GRE exam is available only online at designated centers. For further information, please call 800-GRE-CALL.

TuTh 6:00-9:00pm
Feb 25-April 3
Course Fee: $325
Sched No 22221-33

TuTh 6:00-9:00pm
April 15-May 22
Course Fee: $325
Sched No 22222-33

REVIEW FOR THE LAW SCHOOL ADMISSION TEST (LSAT)

Test Date: February 8
TuTh 6:00-9:00pm
Dec 17-Feb 6
Course Fee: $325
Sched No 22241-23

Test Date: June 9
TuTh 6:00-9:00pm
April 24-June 5
Course Fee: $325
Sched No 22242-33

REVIEW FOR THE GRADUATE MANAGEMENT ADMISSION TEST (GMAT)

We will still offer regularly scheduled prep courses; however, the GMAT exam is available only online at designated centers. For further information, please call 800-GMAT-NOW.

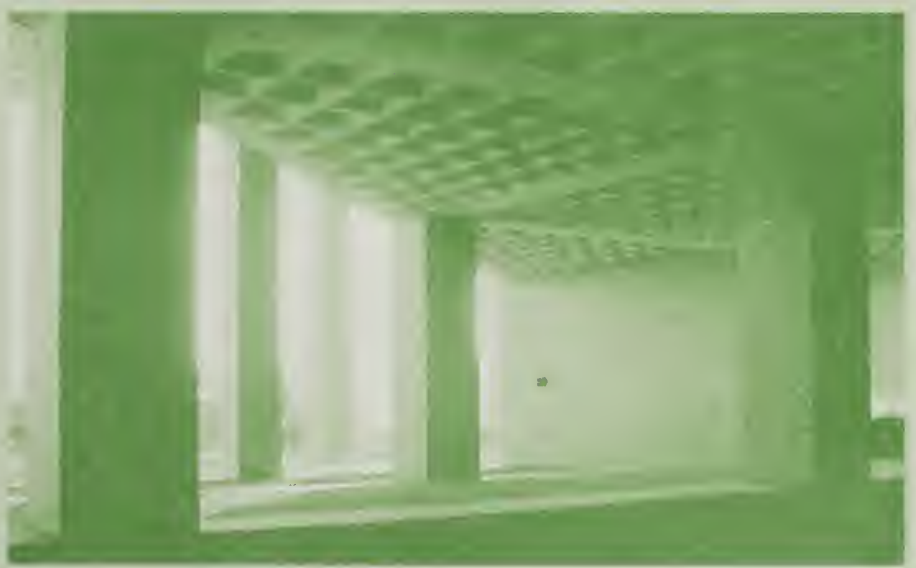
MW 6:00-9:00pm
Jan 6-Feb 12
Course Fee: $325
Sched No 22231-23

MW 6:00-9:00pm
March 24-April 30
Course Fee: $325
Sched No 22232-33

Math Refresher Course

For those who are either math-phobic or interested in refreshing their math skills—for GMAT and GRE prep courses and exams, and other professional or educational endeavors—this course offers a review of the fundamentals of arithmetic, algebra, and geometry. Included in the course are basic math operations, word problems, graphs, quadratic equations, formula solving and manipulation, and basic concepts of geometry. Students will be introduced to the language of math. Math shortcuts will also be presented. When possible, courses are scheduled in advance of our six-week GMAT and GRE prep course offerings. To register for this course, use the form on page 55.

MW 6:00-8:00pm
Feb 17-March 24
Course Fee: $175
Sched No 22211-33



The programs in English Language Study offered by the Division of Corporate, Continuing and Distance Education provide English instruction to speakers of other languages. Programs are designed for individuals seeking to communicate more effectively and improve their performance in professional, academic, and social environments. The Division offers day and evening classes for non-native speakers at all levels of language proficiency.

The content and methods used in all courses are chosen to maximize students' language development. Therefore, strong emphasis is placed on language learning skills and strategies, and students' personal and professional interests, needs, and backgrounds are carefully considered. Instruction in each class includes a grammar review at the appropriate level, integrated with practice in listening comprehension, oral expression, reading, writing, vocabulary building, and pronunciation.

ASSESSMENT AND COURSE PLACEMENT

To ensure that students are placed in appropriate courses and levels, they must attend an assessment session. The session consists of several types of tests: grammar, listening and reading comprehension, and a writing sample. There is also an interview with a program instructor.

For evening programs, the assessment session is completed at the first scheduled class meeting. For full-time programs, the assessment process is more comprehensive. Tests are completed over the first few days of the semester, and take place in conjunction with a variety of classroom and orientation activities. Formal classes begin only after the orientation period.

REFUND POLICY

Refunds will be granted to registered students who withdraw from English Language Study programs on the following basis:

Withdrawn on or before second class meeting date:	100% refund
Withdrawn on or before third class meeting date:	50% refund

No refunds will be granted after the third class meeting date.

FURTHER INFORMATION

For more information about any of our English Language Study programs, contact Susan Griffin (tel. 617.287.7876, Email susan.griffin@umb.edu).

Intensive English Programs

Classes in our Intensive English Programs take place Monday through Friday between 9:00am and 4:00pm, for a total of 24 hours per week. Some sections will meet on two afternoons per week, others on three or four afternoons per week.

The University of Massachusetts Boston will supply an I-20 form enabling students to apply for an F-1 visa for Intensive English programs.

ESL: THE INTENSIVE COURSE

The Intensive course is designed to help people learn English in the shortest possible time. The program's focus is to provide extensive practice in speaking and understanding English. Students study grammar, writing, reading comprehension, and vocabulary building.

BOSTON CAMPUS
February 3-May 23
Sched No 26111-33
Fee: $3,240

UNIVERSITY PREPARATION

This program provides international students with intensive English language instruction and preparation for successful study at American colleges and universities. Participants experience an integrated program focusing on English language instruction, university study skills, academic course work, the college admission process, TOEFL preparation, and the American cultural experience.

BOSTON CAMPUS
February 3-May 23
Sched No. 25111-33
Fee: $3,240

ESL: BUSINESS ENGLISH OPTION

The Business English Option is designed for individuals who wish to focus their learning on the types of English used in the business world. In addition to classes in general English (grammar, writing, reading comprehension, and vocabulary), participants will experience classes in which video, audio materials and computers are used to present topics such as management, marketing, finance, management information systems and other topics of interest to business people. Students participate in 24 class hours per week and must complete homework and other assignments.

BOSTON CAMPUS
February 3-May 23
Sched No TBA
Fee: $3,240

Evening ESL Classes

If you are a non-native English speaker with a strong desire to improve your overall communicative ability, then the English as a Second Language Program is designed for you. The program in English Language Study at UMass offers English as a Second Language classes at three levels: ESL I (high beginner to low intermediate); ESL II (low to high intermediate); and ESL III (high intermediate to advanced).

English as a Second Language I, II, or III (weeknights):
ESL I: Mondays and Wednesdays 6:00-8:00pm
ESL II: Tuesdays and Thursdays 6:00-8:00pm
ESL III: Tuesdays and Thursdays 6:00-8:00pm

BOSTON CAMPUS
March 3-May 22
Sched No 26191-33
Fee: $450

Professional Communication for Non-Native Speakers

This course is designed for high-intermediate to advanced non-native speakers of English who seek a growing mastery of both English proficiency and communication skills necessary for success in the professional workplace environment. Class work will focus on oral presentation and short written reports.

BOSTON CAMPUS
Starts March 3-May 22
Sched No 26101-33
Fee: $450

Winter ESL in Boston

UMass Boston is pleased to offer during Wintersession 2003 a full-time day program of study in English for non-native speakers. This short, intensive English language experience can serve as an introduction to the spring session of either the University Preparation or Intensive English Programs, or as a self-contained English program for those who cannot attend more than four weeks. This four-week session is designed to accommodate students at all levels of English proficiency.

For participants at the beginner and low-intermediate level, coursework will include instruction in and intensive practice of the basic language skills of listening, speaking, reading, and writing. There will also be formal grammar study at the appropriate level and pace, and exercises in vocabulary building.

For advanced and high-intermediate level participants, coursework will include, in addition to assigned readings and worksheets, work on one or two oral presentations. Work on a written report will support and extend the oral presentation project. Students, in consultation with their instructor, choose the topics that they wish to explore. Computer lab time is scheduled, and students are offered basic instruction in popular software programs for creating presentations and doing web-based research.

BOSTON CAMPUS
Monday through Friday, January 6-30
Sched No. 26111-23
Fee: $950

URI Library and Information Studies Courses

By arrangement with the Graduate School of Library and Information Studies (GSLIS) of the University of Rhode Island, the Division of Corporate, Continuing and Distance Education offers courses at UMass Boston each semester that meet the requirements for a University of Rhode Island master's degree in library and information studies (MLIS). It is not necessary to be enrolled in the degree program to take courses: the Graduate School of Library and Information Studies encourages library employees interested in continuing education to enroll in one or more courses. However, a bachelor's degree is required for enrollment on that basis.

Students should register for GSLIS courses being offered in Boston directly through URI. Students can register over the web by using the ARIES registration system. To access ARIES, go to http://www.uri.edu/registrar. If you have any difficulties in registering online, contact Jennifer Lagare (jlagare@uri.edu or 401-874-2878).

REFERENCE AND INFORMATION SERVICES LSC 504
Practical experience in the use of basic information sources with readings and discussion on the philosophy and administrative aspects of reference work.

BOSTON CAMPUS
Feb 4-May 13, Tu 6:00-8:45pm, 3 URI Graduate Credits

For more information about the MLIS degree program, contact Herb Carson at 401.874.4646 or visit www.uri.edu/artsci/lsc/.

CPCS Courses at Middlesex Community College

As part of a collaboration with the Human Services program at Middlesex Community College, the College of Public and Community Service (CPCS) of the University of Massachusetts Boston is offering courses at MCC's Bedford Campus. CPCS offers competency-based bachelor's degree programs in human services and other public and community service-related areas. The two courses being offered at the Middlesex campus are core requirements (beyond the Associate's level) in the CPCS degree program. The courses are open to Middlesex students and alumni and to human service professionals with 3 semesters (or equivalent) college-level credit in human services or related fields.

For more information on CPCS courses at Middlesex Community College, contact Sarah Bartlett (tel 617.287.7374, Email sarah.bartlett@umb.edu).

Marine Studies Consortium

UMass Boston is a member of the Marine Studies Consortium, an association of seventeen higher education and research institutions whose mission is to increase understanding of coastal and marine ecosystems and to promote public policies that protect aquatic resources through reduction of non-point source pollution. The Consortium's undergraduate academic program offers unique learning opportunities in aquatic science and environmental policy. Courses are held during the evenings on the campuses of member institutions. College academic credit is also available to the general public through agreements with Consortium member schools.

The following courses are being offered through the Consortium during the spring 2003 semester:

BIOL 330, Biology of Fishes (see page 16)

INTR-D Z106, Maritime History (see page 22)

To register for these courses, or to find out more about the Marine Studies Consortium, visit www.brandeis.edu/marinestudies or call 781.444.3643.

RN to BS in Nursing Completion Program on Cape Cod

UMass Boston is offering a Bachelor of Science degree completion program in Nursing on Cape Cod for qualified students. This upper division program prepares graduates as baccalaureate nurses with strong clinical backgrounds. Applicants must hold a valid license as a registered professional nurse in Massachusetts and meet the academic entrance requirements of the program.

This new partnership between UMass Boston and Cape Cod Community College responds to the need for registered professional nurses to obtain the baccalaureate degree as recommended by Cape Cod Health Care. The program provides coursework and clinicals at the Cape Cod Community College campuses in West Barnstable and Hyannis, and at health care centers on the Cape.

For more information, contact Luise Speakman, Nursing Dept., Cape Cod Community College (tel 508.362.2131 x4548, Email lspeakma@capecod.umass.edu).

Greater Boston Manufacturing Partnership

The Greater Boston Manufacturing Partnership is a non-profit corporation based at UMass Boston whose mission is to help small and medium-sized manufacturing companies become more productive and competitive.

At the Manufacturing Partnership's educational seminars and workshops, you will learn Continuous Improvement tools and how to implement them in your facility to achieve world class manufacturing.

Our programs will show you how to:

- Control and reduce inventory
- Eliminate non-value added work
- Empower employees
- Establish a culture for continuous improvement
- Increase production volume
- Lower product costs and shorten time to market
- Respond to your customers' ever-changing needs
- Implement the Five S System to create a visual manufacturing workplace
- Reduce defects to zero

Led by industry practitioners with over 70 years of combined experience, these dynamic programs feature a combination of lectures, workshops and hands-on exercises to help you apply the principles of World Class Manufacturing directly to the challenges of your own organization. If you are just getting started or stalled along the way, call today for a free lean assessment at 617-287-7648.

Course topics include:

Introduction to Continuous Improvement, 5S, Laying the Foundation for Improvement, Visual Systems, Pokayoke (Mistake Proofing), Value Stream Mapping, Continuous Improvement Culture, Set-Up Time Reduction, QC Tools, TQM, Continuous Improvement Teams.

In addition, take advantage of our public workshops, Manufacturing Roundtable Speaker Series and Plant Tours to compliment your Continuous Improvement program.

For more information on events or course descriptions, check us out at www.gbmp.org.

Small Business Development Center (SBDC)

The University of Massachusetts Boston SBDC & Minority Business Center provides entrepreneurs a network of resources to help them meet business challenges.

Our office provides a full range of counseling and training activities. Successful entrepreneurs continually seek ways to improve the management and operation of their business, often seeking outside advice to help with particular challenges. SBDC management counselors help with developing business plans, business organization and structure, work flow analysis, goal formation and achievement, personnel management, and business financing, to name a few.

The services of the UMass Boston SBDC are available to start-ups and existing businesses. We offer technical assistance through free one-on-one counseling as well as nominal cost educational workshops and seminars. The SBDC also welcomes opportunities to promote minority businesses in the Commonwealth and to leverage resources for minority entrepreneurs. The SBDC provides brokering services to assist both procurement and EEO officials to find qualified minority vendors who can fill their contract needs, bid requirements or company goals.

For more information on SBDC programs, contact Margaret A. Somer, Interim Director, UMass Boston SBDC (tel 617.287.7750; Email margaret.somer@umb.edu).

Interested in a UMass Boston degree?

At UMass Boston, the opportunities for learning are almost limitless, and so are the opportunities for an exciting and rewarding future. If you're considering a UMass Boston degree, here's how to find out more.

COME TO AN UNDERGRADUATE INFORMATION SESSION.

At one of these hour-long sessions, you can learn about our academic programs and other resources, student life, financial aid, and the admission process. We'll do our best to answer your questions and give you a sense of how UMass Boston can work for you. There are daytime and evening sessions, and sessions particularly for persons thinking of transferring or returning to school as adults. You can also take a guided campus tour. For more information, including the information session and tour schedules, call 617.287.6000.

COME TO A GRADUATE OPEN HOUSE.

At one of our open houses, you can meet graduate program directors and faculty members, and talk with them about courses and research opportunities, areas of faculty expertise, assistantships, facilities, degree requirements, and any other aspect of graduate study at UMass Boston you want to know about. For more information, call 617.287.6000.

GET IN TOUCH BY PHONE OR EMAIL.

We'll send undergraduate or graduate information and application materials, and we'll do our best to answer any questions you may have about attending UMass Boston. The phone number to use is 617.287.6000 (TTY/TDD for the hearing-impaired: 617.287.6010). You can also email us at enrollment.information@umb.edu.

VISIT OUR WEB SITE.

To learn more about our over 90 areas of study on the bachelor's, master's, and doctoral levels, as well as our professional development and certificate programs, visit us at www.umb.edu.

SEND US THIS COUPON.

We'll be glad to respond. Return the coupon to: The Admissions Information Service, University of Massachusetts Boston, 100 Morrissey Boulevard, Boston, MA 02125-3393

Name _____

Number and street _____

City, state, zip _____

Birthdate M/D/Y (for coding only) _____ Telephone _____ Gender (M or F) _____

Program of particular interest (please indicate whether graduate or undergraduate) _____

PLEASE NOTE!

If you're interested in joining us as a degree-seeking undergraduate student in spring '03, call us right away! Space in some programs may still be available. The number to use is 617.287.6000.

Registration Form • Non-Credit Programs

Please Print

Use this form to register for:

- Information Technology Training
- Continuous Improvement
- Spanish Court Interpretation
- English Language Study
- Graduate Test Preparation
- Math Refresher Workshop

Use the form on the reverse side for all undergraduate and graduate credit courses.

Social Security #: ___ - ___ - ____

Name
Last First Middle Initial

Address
No. & Street City State Zip

Daytime Phone ( ) **Evening Phone** ( )

Email address

Sex ○ Male ○ Female **Date of Birth**
Month Day Year

Current UMass Boston student?

○ Non-Matriculated ○ Matriculated Major
○ Undergraduate ○ Graduate

Place of Employment:

Company name

Address

CE Staff Initials

Date Stamp

Ethnic Survey Information. Please circle appropriate letter.

A. American Indian/Alaskan Native
B. Black Non-Hispanic
C. Asian or Pacific Islander
D. Hispanic
E. Non-resident Alien
F. White Non-Hispanic
G. Dther
H. Do not wish to report

This is your only record of your registration transaction!! Please retain a copy for your records

Course Selections

Sched. No.	Title	Starting Date	Course Fee		Materials Fee		Total
___ - ___				+		=	
___ - ___				+		=	
___ - ___				+		=	
___ - ___				+		=	
___ - ___				+		=	

For Office Use Only

Please calculate payment below:

Course and Materials Fees (total)

$25 Late Fee (if applicable)

Total Payment Enclosed

Full payment must accompany all registrations

Method of Payment

○ VISA ○ MasterCard
○ Check ○ Discover Card
○ Waiver ○ Bill Company/Agency

Send checks
(payable to UMass Boston) to:
UMass Boston
CCDE, Box NC
100 Morrissey Blvd.
Boston, MA 02125-3393
Fax: 617.287.7922

Method of Registration

○ Mail ○ FAX
○ Phone ○ Walk in

MasterCard, VISA, and Discover Card Only

You may pay fees through one of these three credit cards.
To do so, please provide the information requested.

___ - ___ - ___ - ___
Account Number

Expiration Date

Student Signature

Cardholder's Name
If a student is eligible for a refund, the refund will be made only as a credit to a MasterCard, VISA, or Discover Card account.

Authorization #

Certified by

Payment by Outside Agency

If charges are to be paid by an outside agency, a payment authorization from that agency must accompany this registration form. Students are reminded that they are liable for course and service fees in the event that the sponsoring agency does not pay them. The Division of Corporate, Continuing and Distance Education cannot accept payment arrangements through Academic Management Services (AMS).

Registration Form • Spring 2003 Courses

Social Security #: ___ – ___ – ____

Name
Last First Middle Initial

Email address
(Email address is required for online students)

Address
No. & Street

City State Zip

Daytime Phone ( ) **Evening Phone** ( )

CE Staff Initials

Sex ○ Male ○ Female **Date of Birth**
Month Day Year

Postmark Date

If you have already registered for CCDE courses this semester, do not use this form. Instead, to register for additional courses or to drop a course, you must obtain a Change of Registration form from the Corporate, Continuing and Distance Education Office.

Are you a current UMass Boston student?

○ Non-Matriculated
○ Undergraduate Major
○ Graduate Major

If you are a student at other college or university

Where?

Ethnic Survey Information. Please circle appropriate letter.

A. American Indian/Alaskan Native
B. Black Non-Hispanic
C. Asian or Pacific Islander
D. Hispanic
E. Non-resident Alien
F. White Non-Hispanic
G. Other

Please follow the example below when indicating course selections. Be sure to include six-digit schedule numbers.

Sched. No.	Department and Course Number	Title	Location	Faculty Initials (if necessary)	Credits	Course Fee		Lab Fee (if any)		Total Course and Lab Fee
123456	Art 123	Sample Course	Copley	—	3	465	+	—	=	465

Course Selections

Sched. No.	Department and Course Number	Title	Location	Faculty Initials (if necessary)	Credits	Course Fee		Lab Fee (if any)		Total Course and Lab Fee
							+		=	
							+		=	
							+		=	
							+		=	

For CCDE Office Use Only

	Spring	C/C/W	
	Ses	Code	Amt
UGrad			
Grad			
Occ			
Cct			
Reg			
Eds			
Late			
Rsvce			
A/H/A			
Total		Total	

This form is the only record of your registration. Please make a copy.

Method of Payment

○ MasterCard ○ Check
○ Discover Card ○ Waiver
○ VISA ○ Other

Send checks
(payable to UMass Boston) to:
UMass Boston
CCDE, Box C
100 Morrissey Blvd.
Boston, MA 02125-3393
Fax: 617.287.7922

Method of Registration

○ Mail ○ FAX
○ Phone ○ Walk-in

Full payment must accompany all registrations. Cash payments can be made only at the Bursar's Office before 4:30pm.

Note: improperly completed forms and/or checks cannot be accepted, and therefore will be returned unprocessed.

MasterCard, VISA, and Discover Card Only

You may pay fees through one of these three credit cards. To do so, please provide the information requested.

____ – ____ – ____ – ____
Account Number

Expiration Date

Student Signature

Cardholder's Name

If a student is eligible for a refund, the refund will be made only as a credit to a MasterCard, VISA, or Discover Card account.

Authorization #

Certified by:

Please calculate payment below.

Course and Lab Fees (total)

Total Service Fees $45

Subtotal

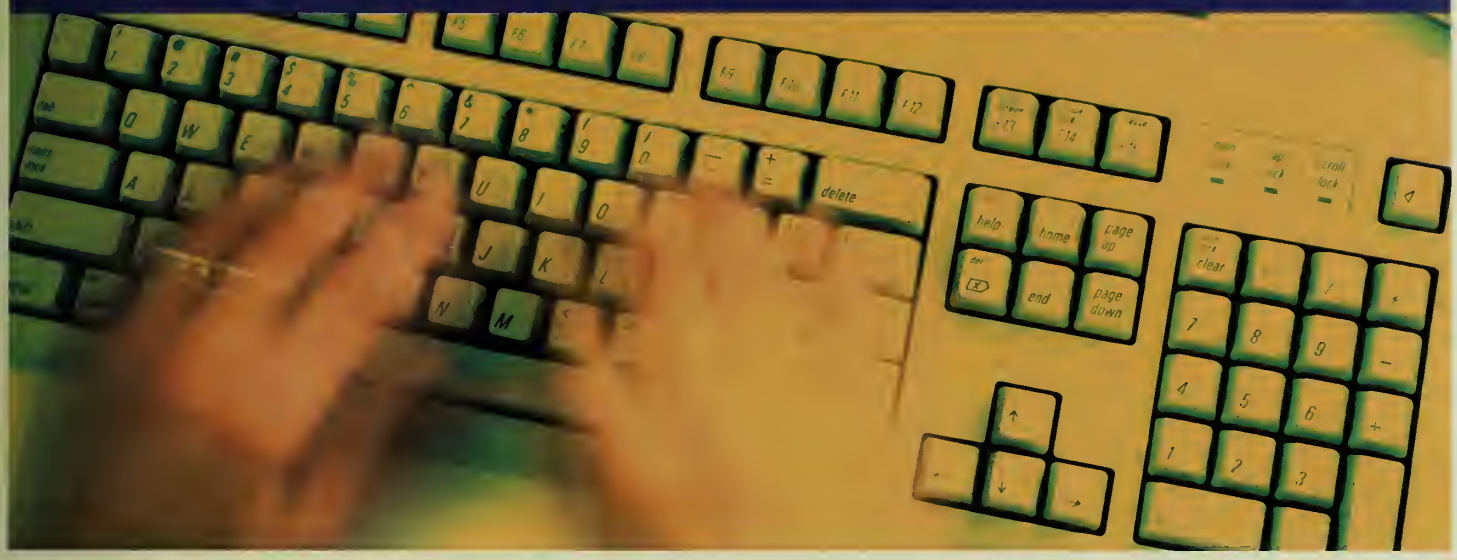
Transcript Fee**

Late Fee***

Total Payment Enclosed

****$3; required of non-matriculated students**
*****$25 if applicable; see "When to Register," page 3.**

Are You Ready for a **New Career?**
Are You Looking for **Career Advancement?**



Get IT Here!

UMass Boston offers a range of information technology certificate programs geared toward the demands and practices of the IT workplace:

- Microsoft Certified System Administrator (MCSA) (with A+ and Network+)
- Web Programming
- Web Design
- Macromedia Flash MX
- Introduction to Java

These programs are taught in well-equipped labs at our main campus in Boston or at our new Cordage Park Center in Plymouth.

You can also enroll in self-paced, web-based IT programs, or work toward an undergraduate or graduate degree in computer science.

For more information, see pages 45-48 of this bulletin, visit **www.conted.umb.edu**, or call **617.287.7876**.

Division of Corporate, Continuing, & Distance Education

Spring 2003 Bulletin

FAQ

Frequently Asked Questions

Inside you'll find all the information you need in order to take advantage of the wide range of learning opportunities we have to offer. You'll also find the answers to some frequently asked questions, such as:

What programs are available?

Just for starters, you can enroll in credit courses offered at several different locations, as well as online (pages 14-36); degree and certificate programs (pages 38-44); information technology training (pages 45-48); English language courses (pages 50-51); and many other learning options. To find out more, look inside, starting with the table of contents on page 1.

How much will it cost?

Fees for most credit courses are $155 per credit (undergraduate) and $170 per credit (graduate). That's $465 plus registration and service fees for a typical 3-credit undergraduate course; course fees are listed with course descriptions. For information on our fee and payment policies, see pages 4-5.

When and how can I register?

Registration for credit courses starts Monday, December 2; the complete Academic Calendar is on the inside front cover. You can register for non-credit programs any time up to a week before the program's starting date. You can register by phone, mail, fax, or in person (see page 3).

How do I get there?

Directions to our main campus are on page 2, with a campus map on page 9. Pages 10-13 contain a list of courses and programs available at each location, including online courses, plus directions to our off-campus sites.

What if I have other questions?

If you can't find the answers inside, call us at **617.287.7900**, email us at **continuing.education@umb.edu**, or visit our website at **www.conted.umb.edu**. We'll do our best to help.

University Communications 03.085

University of Massachusetts
UMASS Boston
University of Massachusetts Boston
Division of Corporate, Continuing
and Distance Education
100 Morrissey Boulevard
Boston, MA 02125-3393